

69-0289 MCG 09005026

2000, Drilling muds
to 2120 fms.
Laboratory Item P&O
370

062-

See IR 69-32

- at present no
we will be sent a copy when
received

Title: A SUMMARY OF ENGINEERING PROPERTIES
SEDIMENT SIZE AND COMPOSITION ANALYSES
OF CORES AND BOTTOM SAMPLES FROM THE
SOUTHERN GULF OF TONKIN, 1966

Code 9100

Notes Red Shaded 2/2/69: Collected by Active ships of
Fleet on patrol
Ship names not
available

ComPac Fleet requested Data Collection

Prepared by: Jess Coleman - Hancock - West Coast Laboratory analyses;
some of samples not collected well preserved,
as according to acceptable procedures
- analyses themselves made all
presented, see condition of samples
when analyzed and estimates made in
Item 22 for each case analyzed for
engineering properties

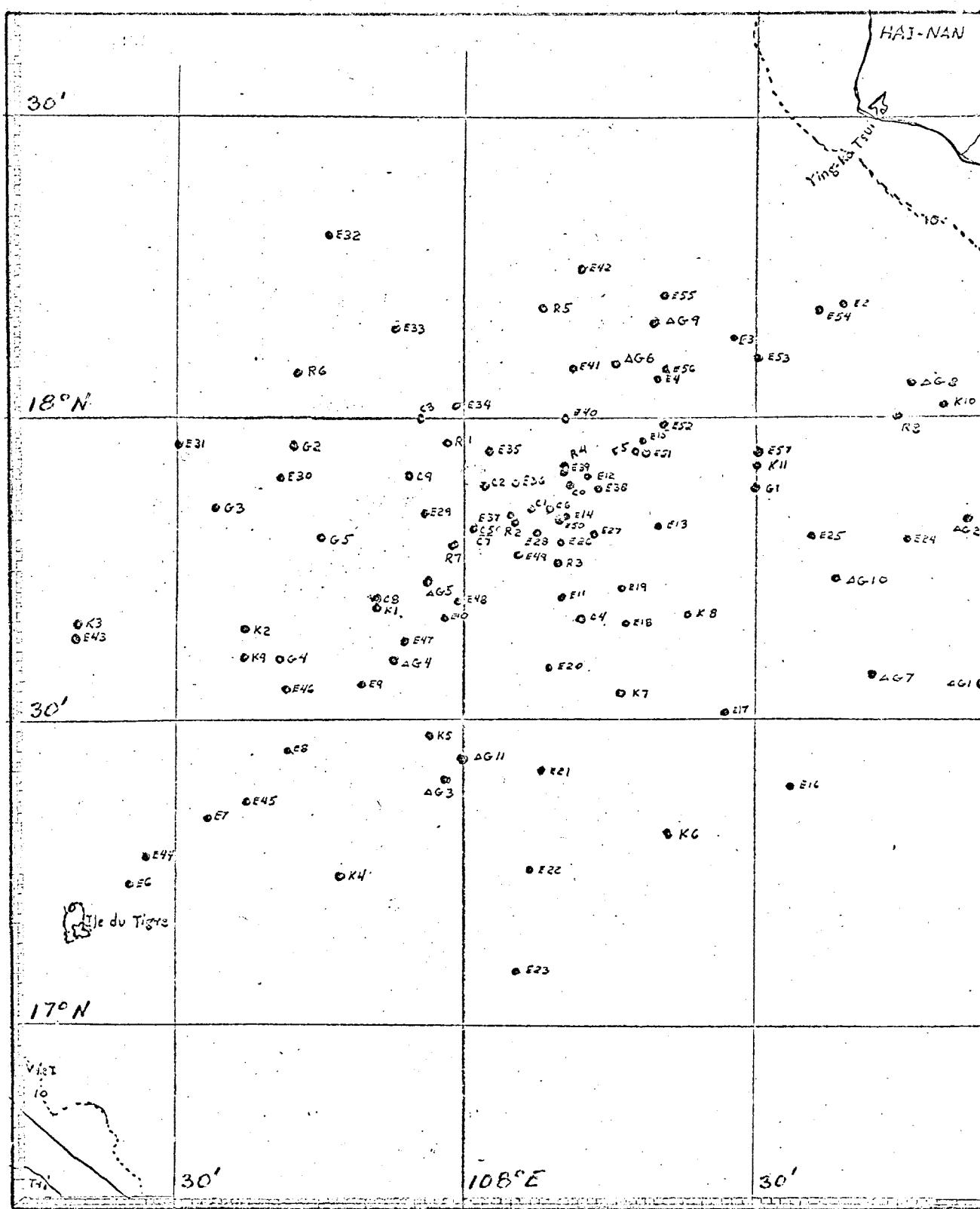
Pacific Support Group
Research Ships Branch
Developmental Surveys Division
Oceanographic Surveys Department

U. S. NAVAL OCEANOGRAPHIC OFFICE,
STATION 111

PC

Note: Data presented in this Laboratory Item
has been analyzed and reported in Informal
Report IR 69-32.

$M = 0.9005026$



LOCATION OF CORES AND BOTTOM SAMPLES

EXPLANATION OF DATA PAGES
CORE ANALYSIS SUMMARY SHEET
Engineering Properties
NAVOCEANO (EXP) 3167/18B (Rev. 1-63)

Results of engineering properties, core analysis performed by the U. S. Naval Oceanographic Office Geological Laboratory are recorded on Core Analysis Summary Sheet Engineering Properties.

The following is a description of the terms employed on the Core Analysis Summary Sheet:

1. Cruise Number. A number assigned to each cruise for identification purposes.
2. Latitude. Expressed in degrees, minutes, and seconds.
3. Longitude. Expressed in degrees, minutes, and seconds.
4. Sample Number. A consecutive number, commencing with 1, applied to each core taken successively throughout the cruise.
5. Date Taken. Day (GMT), month, and year.
6. Water Depth (m). The uncorrected sonic sounding recorded in meters.
7. Type Corer. Identified by the name of device employed.
8. Core Length (cm). Recorded in centimeters as observed in the laboratory.
9. Core Penetration (cm). Recorded in centimeters as observed in the field.
10. Subsample Depth in Core (cm). Interval of subsample as measured in centimeters from the top of the core.
11. Wet Unit Weight (g/cm^3). The weight (solids plus water) per unit volume of the sediment mass.
12. Specific Gravity of Solids. The ratio of weight in air of a given volume of a sediment at 20°C to the weight in air of an equal volume of distilled water at 20°C.
13. Water Content (% dry weight). The ratio, in percent, of the weight of water in a given mass of the sediment sample to the weight of the solid particles.
14. Void Ratio. The ratio of the volume of void spaces to the volume of solid particles in the sediment sample as computed from Wet Unit Weight, Specific Gravity of Solids, and Water Content.

15. Saturated Void Ratio. The Void Ratio at 100 percent saturation as computed from Water Content and Specific Gravity of Solids.

$$\text{Saturated Void Ratio} = \frac{\text{Water Content} \times \text{Specific Gravity of Solids}}{100}$$

16. Porosity (%). The ratio, usually expressed as a percentage, of the volume of voids of a sediment mass to the total volume of the sediment mass.

17. Liquid Limit. Water Content, in percent, at which a pat of sediment cut by a groove of standard dimension will flow together for a distance of 1/2 inch under the impact of 25 blows in a standard liquid limit apparatus.

18. Plastic Limit. Water Content, in percent, at which a sediment will just begin to crumble when rolled into a thread approximately 1/8 inch in diameter.

19. Plasticity Index. The numerical difference between the Liquid Limit and Plastic Limit of the sediment mass.

20. Liquidity Index. The ratio, expressed in percentage, of (1) the natural water content of the sediment sample minus its Plastic Limit to (2) its Plasticity Index.

21. Compression Index. The slope of the linear portion of the Pressure-Void Ratio curve on a semi-log plot.

22. Compressive Strength. The load per unit area required to shear an unconfined, natural or remolded, sediment mass.

23. Cohesion. The shearing strength per unit area under zero externally applied load.

24. Sensitivity. The ratio of the natural to the remolded strength. It is a measure of the loss of strength due to remolding the sediment mass.

25. Angle of Internal Friction ($^{\circ}$). The angle between the abscissa and the tangent of the curve representing the relationship of "shearing resistance" to "normal stress" acting within a sediment mass.

26. Activity. The ratio of the Plasticity Index to the clay fraction percentage (<.002mm) of the sediment mass.

27. Modulus of Elasticity. The ratio of stress to strain of the sediment mass.

28. Slump (%). The ratio, in percent, of the amount of height change immediately before the compressive strength test to the original height of a cylinder of sediment.

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EXPLANATION OF DATA PAGES
CORE ANALYSIS SUMMARY SHEET
Sediment Size and Composition
NAVOCEANO (EXP) 3167/18A (Rev. 1-63)

Results of, sediment size and composition, core analysis performed by the U. S. Naval Oceanographic Office Geological Laboratory are recorded on Core Analysis Summary Sheet Sediment Size and Composition.

The following is a description of the terms employed on the Core Analysis Summary Sheet:

1. Cruise Number. A number assigned to each cruise for identification purposes.
2. Latitude. Expressed in degrees, minutes, and seconds.
3. Longitude. Expressed in degrees, minutes, and seconds.
4. Sample Number. A consecutive number, commencing with 1, applied to each core taken successively throughout the cruise.
5. Date Taken. Day (GMT), month, and year.
6. Water Depth (m). The uncorrected sonic sounding recorded in meters.
7. Type Corer. Identified by name of device employed.
8. Core Length (cm). Recorded in centimeters as observed in the laboratory.
9. Core Penetration (cm). Recorded in centimeters as observed in the field.
10. Laboratory Number. A reference number assigned to a fraction of a sample retained by the laboratory.
11. Subsample Depth in Core (cm). Interval of subsample as measured in centimeters from the top of the core.
12. Color (GSA Rock Color Chart). Based on the Geological Society of America Rock-Color Chart. F or L indicates where color determination was made. For those samples where color was determined in the laboratory, the sample was moistened for a color determination.
13. Odor. A qualitative description of any noticeable odors.

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14. Size and Composition Analysis.

a. through n. Sample fraction diameter size values are based on dry weight and are given in millimeters to the nearest whole percent. An American Instrument Company sieving machine and U. S. standard sieves were used for determining sand and larger fractions ($> .062\text{mm}$). The pipette method, based on Stokes' Law (for computing settling rates of spherical particles), was used to determine silt size (.062 to .004mm) and clay size particles ($< .004\text{mm}$).

o. Median Diameter (mm). Is the middle most member of the distribution curve above which 50 percent of the diameters in the distribution are larger and below which 50 percent of the diameters are smaller expressed in millimeters.

p. Sorting Coefficient. Is the square root of the ratio of the two quartiles, so chosen that the value is always greater than unity. (Trask 1932).

Sorting Coefficient =

$$\sqrt{\frac{Q_{25}}{Q_{75}}}$$

q. Skewness. Is a measurement of the asymmetry of the curve in such a way that departure of the mean from the median is independent of the spread or deviation of the curve. Expressed in millimeters to the nearest hundredth with the given value computed from Trask's formula.

Skewness =

$$\frac{Q_75 - Q_{25}}{\text{Median Diameter}^2}$$

r. Standard Deviation (mm). A measure, in millimeters, of the degree of spread or degree of dispersion of the data about the central tendency.

Standard Deviation = $\sqrt{\sum_{i=1}^n (X_i - \bar{X})^2 / (n-1)}$

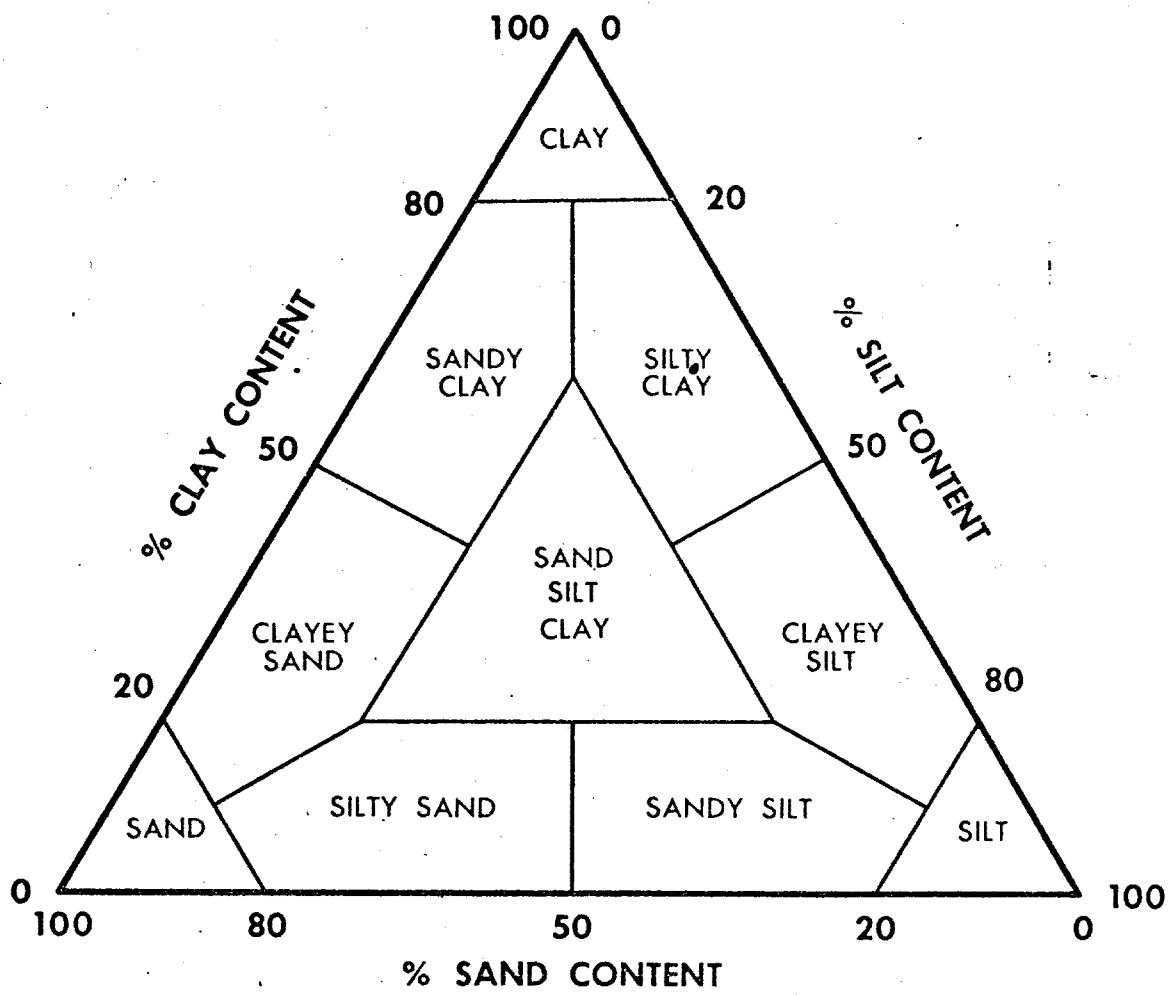
s. Sediment Type. Determined by sand, silt, and clay ratios of the sample based on the F. P. Shepard sediment triangle (as modified) shown in Figure A-1.

t. and u. Dominant and Secondary Minerals (%). Percentage of fraction volume of the dominant and secondary minerals.

v. Calcium Carbonate (%). Percentage of total sample weight determined by EDTA method.

w. Organic Carbon (%). Percentage of total sample weight determined by Allison method.

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NOMENCLATURE OF SEDIMENT TYPES (after Shepard, 1954)

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

320

ANALYZED BY Coleman
DATE 5 Oct. 1966

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1. CRUISE NO.	4. SAMPLE NO.	A G-1	7. TYPE CORER	Phleger
2. LATITUDE	17° 34'	N	5. DATE TAKEN (Date, month, year)	12 Sept. 1966
3. LONGITUDE	108° 56'	E	6. WATER DEPTH (m)	8
10. SUBSAMPLE DEPTH IN CORE (cm)	0-5	5-10	10-15	15-20
11. WET UNIT WEIGHT (g/cm ³)	1.884			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	29.54	33.53	36.88	
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)			(47)	
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL	(g/cm ²)			
	REMOVED	(g/cm ²)		
23. COHESION NATURAL	(g/cm ²)			
	REMOVED	(g/cm ²)		
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (in.)				
29. REMARKS	Core badly disturbed, appears slightly dessicated. Porosity calculated on assumed 100% saturation.			

PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 5 October 1966

062-78

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)		6. WATER DEPTH (m)		7. TYPE CORER	Phleger
		12 Sept.	1966	8. CORE LENGTH (cm)	25		
2. LATITUDE	17° 34'	"	N	"			
3. LONGITUDE	108° 56'	"	E	"			
10. LABORATORY NUMBER	P1-1	P1-2	P1-3				
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	10-15	20-25				
12. COLOR (GSA ROCK COLOR CHART)	5Y4/1	5Y4/1	5Y4/1				
13. FIELD LAB DETERMINATION							
13. ODOR							
14. SIZE & COMPOSITION ANALYSIS							
a. > 4	(mm) (%)						
b. .4 to .2	(mm) (%)						
c. .2 to 1	(mm) (%)						
d. .1 to .300	mm (%)						
e. .500 to .250	mm (%)						
f. .250 to .125	mm (%)						
g. .125 to .062	mm (%)						
h. .062 to .031	mm (%)						
i. .031 to .016	mm (%)						
j. .016 to .008	mm (%)						
k. .008 to .004	mm (%)						
l. .004 to .002	mm (%)						
m. .002 to .001	mm (%)						
n. < .001	mm (%)						
o. Median Diameter (mm)	0.604	0.359	0.398				
p. Sorting Coefficient	2.13	3.20	3.20				
q. Skewness	5.35	4.82	3.92				
r. Standard Deviation (mm)							
s. Sediment Type	SILTY SILTY sand sand						
t. Dominant Minerals	(%)						
u. Secondary Minerals	(%)						
v. Calcium Carbonate (%)	16	12	13				
w. Organic Carbon (%)							
15. REMARKS							

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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062-78

ANALYZED BY ColemanDATE 5 Oct. 1966

1. CRUISE NO.	4. SAMPLE NO.	A G-2	7. TYPE CORER	Phleger
2. LATITUDE	5. DATE TAKEN (day, month, year)	12 Sept. 1966	8. CORE LENGTH (cm)	15
3. LONGITUDE	6. WATER DEPTH (m)	71	9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-7	7-15		
11. WET UNIT WEIGHT (g/cm ³)	1.488			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	81.17	129.20		
14. VOID RATIO				
15. SATURATED VOID RATIO	(67)			
16. POROSITY (%)				
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM IL				
22. COMPRESSIVE STRENGTH NATURAL (g/cm ²)	REMOULD (g/cm ²)			
23. COHESION NATURAL (g/cm ²)	REMOULD (g/cm ²)			
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (cm)				
29. REMARKS				

Moisture at top may be low. Porosity calculated on an assumed 100% saturation.

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PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE 5 October 1966

062-78

1. CRUISE NO.	4. SAMPLE NO.	A G-2	7. TYPE CORER	Phleger
2. LATITUDE 17° 50'	5. DATE TAKEN (DAY, MO., YR.)	12 Sept. 1966	8. CORE LENGTH (cm)	15
3. LONGITUDE 108° 52'	6. WATER DEPTH (m)	72	9. CORER PENETRATION (cm)	
10. LABORATORY NUMBER	P1-4	P1-5		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-7	7-15		
12. COLOR (GSA ROCK COLOR CHART)	5Y4/1	5Y4/1		
13. FIELD LAB DETERMINATION				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (%)				
b. .4 to .2 mm (%)				
c. .2 to .1 mm (%)				
d. .1 to .500 mm (%)	Trace	Trace		
e. .500 to .250 mm (%)				
f. .250 to .125 mm (%)				
g. .125 to .062 mm (%)	1	1		
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)	26	31		
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)	15	15		
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)	20	17		
n. < .001 mm (%)	36	36		
o. Median Diameter (mm)	.0025	.0032		
p. Sorting Coefficient	9.13	6.69		
q. Skewness	.534	.699		
r. Standard Deviation (mm)				
s. Sediment Type	SILTY SILTY			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	15	15		
w. Organic Carbon (%)				
x. REMARKS				

PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 7 October 1966

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1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER Phleger
2. LATITUDE <u>17° 24'</u>	" N	"	"	84
3. LONGITUDE <u>107° 58'</u>	" E	"	"	25
4. LABORATORY NUMBER	P1-6 P1-7			
5. SUBSAMPLE DEPTH IN CORE (cm)	0-10 10-25			
6. COLOR (GSA ROCK COLOR CHART)	5Y4/1 5Y4/1			
7. FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	□ □			
8. ODOR				
8. SIZE & COMPOSITION ANALYSIS				
a. 7 4	(mm) (%)	4	5	
b. 4 to 2	(mm) (%)	4	5	
c. 2 to 1	(mm) (%)	2	5	
d. 1 to .500	(mm) (%)	3	5	
e. .500 to .250	(mm) (%)	8	8	
f. .250 to .125	(mm) (%)	25	30	
g. .125 to .062	(mm) (%)	18	17	
h. .062 to .031	(mm) (%)			
i. .031 to .016	(mm) (%)	19	12	
j. .016 to .008	(mm) (%)			
k. .008 to .004	(mm) (%)	5	5	
l. .004 to .002	(mm) (%)			
m. .002 to .001	(mm) (%)	5	5	
n. < .001	(mm) (%)	10	9	
o. Median Diameter (mm)		.0884	.1340	
p. Sorting Coefficient		13.01	2.37	
q. Skewness		499	535	
r. Standard Deviation (mm)				
s. Sediment Type				
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)				
w. Organic Carbon (%)				
x. REMARKS				

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B

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman

DATE 7 October 1966

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1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m.)	7. CORE LENGTH (cm.)	8. CORE TYPE CORER	9. CORER PENETRATION (cm.)	Phleger
2. LATITUDE 17° 36'	N	15 Sept. 1966	86	18			
3. LONGITUDE 107° 53'	E						
10. LABORATORY NUMBER	P1-24 P1-25						
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10 10-18						
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	SY4/1 SY4/1						
13. ODOR							
IV. SIZE & COMPOSITION ANALYSIS							
a. > 4	(mm.) (%)						
b. .4 to .2	(mm.) (%)	14	10				
c. .2 to .1	(mm.) (%)	14	10				
d. .1 to .050	(mm.) (%)	14	12				
e. .050 to .0250	(mm.) (%)	20	15				
f. .250 to .125	(mm.) (%)	11	11				
g. .125 to .062	(mm.) (%)	5	9				
h. .062 to .031	(mm.) (%)						
i. .031 to .016	(mm.) (%)	6	11				
j. .016 to .008	(mm.) (%)						
k. .008 to .004	(mm.) (%)	2	5				
l. .004 to .002	(mm.) (%)						
m. .002 to .001	(mm.) (%)	3	6				
n. < .001	(mm.) (%)	10	12				
o. Median Diameter (mm.)	3.6660	2.2253					
p. Sorting Coefficient	4.29	5.89					
q. Skewness	1.231	.311					
r. Standard Deviation (mm.)							
s. Sediment Type	Sand	Sand					
t. Dominant Minerals (%)							
u. Secondary Minerals (%)							
v. Calcium Carbonate (%)	4.3	4.4					
w. Organic Carbon (%)							
x. Remarks							

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY ColemanDATE 6 Oct. 1966

062-77

1. CRUISE NO.	4. SAMPLE NO.	AG-5	7. TYPE CORE	Phleger
2. LATITUDE 17° 44'	5. DATE TAKEN (day, month, year)	15 Sep 1966	8. CORE LENGTH (cm)	30
3. LONGITUDE 107° 56'	6. WATER DEPTH (m)	79	9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6	6-13	13-18-25	25-30
11. WET UNIT WEIGHT (g/cm^3)	1.910			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (%) dry weight)	32.03	29.61	29.05	
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(46)		(43)	
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL	(g/cm^2)			
	REMOULD	(g/cm^2)		
23. COHESION	NATURAL	(g/cm^2)		
	REMOULD	(g/cm^2)		
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION ($^\circ$)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (in.)				
29. REMARKS	Porosity calculated on an assumed 100% saturation.			

PRNC-NAVOCEANO-2167/18 A (463)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 6 October 1966

062-77

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phlegon
2. LATITUDE	5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)	30
3. LONGITUDE	6. WATER DEPTH (m)	9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER	PI-12 PI-13 PI-14		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-6 6-13 18-25		
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	SY4/1 SY4/1 SY4/1		
13. COLOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. .4 to .2 mm (%)	1 1 2	2 2	
c. .2 to .1 mm (%)	1 1 2	3 1	
d. .1 to .050 mm (%)	1 4 6	6 6	
e. .050 to .025 mm (%)	4 11 17	16 16	
f. .025 to .125 mm (%)	11 29 36	34 34	
g. .125 to .062 mm (%)	29 36	34 34	
h. .062 to .031 mm (%)	28 6	20 20	
i. .031 to .016 mm (%)			
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%)	5 11	2 2	
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)	7 5	5 5	
n. < .001 mm (%)	13 14	11 11	
o. Median Diameter (mm)	.0508	.0743	.0915
p. Sorting Coefficient	2.50	3.73	2.38
q. Skewness	.593	.233	.406
r. Standard Deviation (mm)			
s. Sediment Type	SILTY CLAYEY SILTY SAND		
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	11 13	12 12	
w. Organic Carbon (%)			
x. REMARKS			

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY ColemanDATE 7 Oct. 1966

062-58

1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO.	5. DATE TAKEN (day, month, year)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
18° 05'	108° 16'	N E	15 Sept. 1966	82	15 Sept. 1966	A G-6	32	
11. WET UNIT WEIGHT (g/cm³)	1.844		1.799					
12. SPECIFIC GRAVITY OF SOLIDS								
13. WATER CONTENT (% dry weight)	40.82		42.34		43.20			
14. VOID RATIO								
15. SATURATED VOID RATIO								
16. POROSITY (%)		(54)			(54)			
17. LIQUID LIMIT								
18. PLASTIC LIMIT								
19. PLASTICITY INDEX								
20. LIQUIDITY INDEX								
21. COMPRESSION INDEX FROM LL								
22. COMPRESSIVE STRENGTH NATURAL REMOULD (g/cm²)								
23. COHESION NATURAL REMOULD (g/cm²)								
24. SENSITIVITY								
25. ANGLE OF INTERNAL FRICTION (°)								
26. ACTIVITY								
27. MODULUS OF ELASTICITY								
28. SLUMP (%)								
29. REMARKS								

Porosity calculated on an assumed 100% saturation.

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PRINCINOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY ColemanDATE 7 October 1966

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061-85

1. CRUISE NO.	4. SAMPLE NO.		A-G-6		7. TYPE CORFR	Phleger
2. LATITUDE 18° 05' N	5. DATE TAKEN (DAY, MO., YR.)	15 Sept.	1966	8. CORE LENGTH (cm)	32	
3. LONGITUDE 108° 16' E	6. WATER DEPTH (m)	82		9. CORER PENETRATION (cm)		
10. LABORATORY NUMBER	P1-15	P1-16	P1-17			
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-20	20-30			
12. COLOR (GSA ROCK COLOR CHART) FIELD [] LAB DETERMINATION	5Y4/1	5Y4/1	5Y4/1			
13. ODOR						
14. SIZE & COMPOSITION ANALYSIS						
a. > 4 mm (%)						
b. 4 to 2 mm (%)						
c. 2 to 1 mm (%)						
d. 1. to .500 mm (%)						
e. .500 to .250 mm (%)						
f. .250 to .125 mm (%)						
g. .125 to .062 mm (%)						
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)						
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)						
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)						
n. <.001 mm (%)						
o. Median Diameter (mm)						
p. Sorting Coefficient	2.14	4.37	7.31			
q. Skewness						
r. Standard Deviation (mm)						
s. Sediment Type						
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)	11	11	11			
w. Organic Carbon (%)						
x. REMARKS						

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE 7 Oct. 1966

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061-77

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER
2. LATITUDE	17° 34'	N
3. LONGITUDE	107° 42'	E
10. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-16-21
11. WET UNIT WEIGHT (g/cm³)	1.766	
12. SPECIFIC GRAVITY OF SOLIDS		
13. WATER CONTENT (% dry weight)	31.17	50.88
14. VOID RATIO		57.12
15. SATURATED VOID RATIO		
16. POROSITY (%)	(59)	
17. LIQUID LIMIT		
18. PLASTIC LIMIT		
19. PLASTICITY INDEX		
20. LIQUIDITY INDEX		
21. COMPRESSION INDEX FROM LL		
22. COMPRESSIVE STRENGTH NATURAL REMOULD (g/cm²)		
23. COHESION NATURAL REMOULD (g/cm²)		
24. SENSITIVITY		
25. ANGLE OF INTERNAL FRICTION (°)		
26. ACTIVITY		
27. MODULUS OF ELASTICITY		
28. SLUMP (%)		
29. REMARKS	Porosity calculated on assumed 100% saturation.	

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 7 October 1966

⑤ 62-78

1. CRUISE NO.		4. SAMPLE NO.		5. DATE TAKEN (DAY, MO., YR.)		6. WATER DEPTH (m)		7. TYPE CORE		8. CORE LENGTH (cm)		9. CORE PENETRATION (cm)	
2. LATITUDE	117° 34'	"	N	"		"							
3. LONGITUDE	108° 42'	"	E	"		"							
10. LABORATORY NUMBER	PI-18	PI-19	PI-20										
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-16	16-21										
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	5Y4/1	5Y4/1	5Y4/1										
13. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a.	> 4	•	(mm) (%)										
b.	.4	to .2	(mm) (%)	2	1	Tr.							
c.	.2	to 1	(mm) (%)	3	1	1							
d.	.1	to .500	(mm) (%)	2	1	2							
e.	.500	to .250	(mm) (%)	5	2	4							
f.	.250	to .125	(mm) (%)	17	6	11							
g.	.125	to .062	(mm) (%)	40	18	42							
h.	.062	to .031	(mm) (%)										
i.	.031	to .016	(mm) (%)	9	34	23							
j.	.016	to .008	(mm) (%)										
k.	.008	to .004	(mm) (%)	4	7	4							
l.	.004	to .002	(mm) (%)										
m.	.002	to .001	(mm) (%)	4	7	2							
n.	< .001	mm (%)	14	23	11								
o.	Median Diameter P.	(mm)	0.0797	0.0237	0.0693								
P.	Sorting Coefficient		2.33	7.81	2.03								
q.	Skewness		5.12	1.31	5.56								
r.	Standard Deviation (mm)												
s.	Sediment Type												
t.	Dominant Minerals	(%)											
u.	Secondary Minerals	(%)											
v.	Calcium Carbonate	(%)	17	11	11								
w.	Organic Carbon	(%)											
x.	REMARKS												

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColmanDATE 7 Dec 1966

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062-88

1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO. A G - 8	5. DATE TAKEN (Day, month, year)	6. WATER DEPTH (m)	7. TYPE CORER	Phleger
18 ° 03'	108 ° 46'	N E	Sept 1966	53		H. CORE LENGTH (cm)	24
						I. CORE LENGTH (cm)	
						J. CORER PENETRATION (cm)	
5. SUBSAMPLE DEPTH IN CORE (cm)	0-5	5-10	10-20	20-24			
6. WET UNIT WEIGHT (kg/cm^3)	1.485						
7. SPECIFIC GRAVITY OF SOLIDS	98.39	99.74	89.45				
8. WATER CONTENT (%) dry weight)							
9. VOID RATIO							
10. SATURATED VOID RATIO							
11. POROSITY (%)	(74)						
12. LIQUID LIMIT							
13. PLASTIC LIMIT							
14. PLASTICITY INDEX							
15. LIQUIDITY INDEX							
16. COMPRESSION INDEX FROM LL							
17. COMPRESSIVE STRENGTH NATURAL (kg/cm^2)							
18. COHESION NATURAL (kg/cm^2)							
19. COHESION REMOLD (kg/cm^2)							
20. SENSITIVITY							
21. ANGLE OF INTERNAL FRICTION ($^\circ$)							
22. ACTIVITY							
23. MODULUS OF ELASTICITY							
24. SLUMP (%)							
25. REMARKS: Porosity calculated on an assumed 100% saturation.							

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY ColemanDATE 7 October 1966

062-88

1. CRUISE NO.	II. SAMPLE NO.		A. G-8		7. TYPE CORER		Phleger	
2. LATITUDE <u>18° 03'</u>	N		5. DATE TAKEN (DAY, MO., YR.) <u>12 Sept. 1966</u>		8. CORE LENGTH (cm) <u>24</u>			
3. LONGITUDE <u>108° 46'</u>	W		6. WATER DEPTH (m) <u>53</u>		9. CORER PENETRATION (cm)			
10. LABORATORY NUMBER	<u>P1-21 P1-22 P1-23</u>							
11. SUBSAMPLE DEPTH IN CORE (cm)	<u>0-10 10-20 20-24</u>							
12. COLOR (GIA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	<u>SY4/1 SY4/1 SY4/1</u>							
13. ODOR								
14. SIZE & COMPOSITION ANALYSIS								
a. <u>> 4</u> mm (%) <u>6</u>								
b. <u>.4</u> to <u>.2</u> mm (%) <u>1</u>								
c. <u>.2</u> to <u>.1</u> mm (%) <u>1</u>								
d. <u>.1</u> to <u>.500</u> mm (%) <u>Trace</u>								
e. <u>.500</u> to <u>.250</u> mm (%) <u>Trace</u>								
f. <u>.250</u> to <u>.125</u> mm (%) <u>2</u>								
g. <u>.125</u> to <u>.062</u> mm (%) <u>7</u>								
h. <u>.062</u> to <u>.031</u> mm (%) <u>5</u>								
i. <u>.031</u> to <u>.016</u> mm (%) <u>16</u>								
j. <u>.016</u> to <u>.008</u> mm (%) <u>32</u>								
k. <u>.008</u> to <u>.004</u> mm (%) <u>7</u>								
l. <u>.004</u> to <u>.002</u> mm (%) <u>17</u>								
m. <u>.002</u> to <u>.001</u> mm (%) <u>19</u>								
n. <u>< .001</u> mm (%) <u>49</u>								
o. Median Diameter (mm)	<u>.0011</u>		<u>.0052</u>		<u>.0025</u>			
p. Sorting Coefficient	<u>7.20</u>		<u>6.153</u>		<u>6.94</u>			
q. Skewness	<u>3.868</u>		<u>.394</u>		<u>1.176</u>			
r. Standard Deviation (mm)								
s. Sediment Type	<u>SILTY CLAYEY SILTY CLAY</u>							
t. Dominant Minerals (%)								
u. Secondary Minerals (%)								
v. Calcium Carbonate (%)	<u>13</u>		<u>14</u>		<u>24</u>			
w. Organic Carbon (%)								
x. REMARKS								

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

PRINCIPAL NAVOCEANO-3167/18 A (4-63)

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063-88

ANALYZED BY COLEMAN

DATE 7 October 1966

E. CRUISE NO.:		4. SAMPLE NO.:		5. DATE TAKEN (DAY, MO., YR.)		6. CORE LENGTH (cm)		7. TYPE CORER		Phleger	
2. LATITUDE	18° 09'	" N	" E	10-12 Sept. 1966	88	14					
3. LONGITUDE	108° 20'	"	"								
4. LABORATORY NUMBER	P1-26	P1-27									
5. SUBSAMPLE DEPTH IN CORE (cm)	0-8	8-14									
6. WATER DEPTH (m)											
7. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5Y4/1	5Y4/1									
8. CORE PENETRATION (cm)											
9. CORER PENETRATION (cm)											
10. SIZE & COMPOSITION ANALYSIS											
a.	> 4 mm	(%)									
b.	.4 to 2 mm	(%)	17	19							
c.	.2 to 1 mm	(%)	23	23							
d.	.1 to .500 mm	(%)	19	15							
e.	.500 to .250 mm	(%)	13	11							
f.	.250 to .125 mm	(%)	4	3							
g.	.125 to .062 mm	(%)	2	2							
h.	.062 to .031 mm	(%)									
i.	.031 to .016 mm	(%)	4	11							
j.	.016 to .008 mm	(%)									
k.	.008 to .004 mm	(%)	3	5							
l.	.004 to .002 mm	(%)									
m.	.002 to .001 mm	(%)	4	3							
n.	< .001 mm	(%)	11	9							
o.	Median Diameter (mm)		6.5998	6.5998							
p.	Sorting Coefficient		3.30	5.85							
q.	Skewness		-.451	.165							
r.	Standard Deviation (mm)										
s.	Sediment Type		sand	sand							
t.	Dominant Minerals (%)										
u.	Secondary Minerals (%)										
v.	Calcium Carbonate (%)		27	25							
w.	Organic Carbon (%)										
11. REMARKS											

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE 6 Oct 1966

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062-78

1. CRUISE NO.	4. SAMPLE NO.	A G - 10	7. TYPE CORER	Phleger
2. LATITUDE 17 ° 44'	5. DATE TAKEN (Day, month, year)	13 Sept 1966	8. CORE LENGTH (cm)	30
3. LONGITUDE 108 ° 38'	6. WATER DEPTH (m)	84	9. CORER PENETRATION (cm)	
4. SUBSAMPLE DEPTH IN CORE (cm)	0-3	3-5	10-16	20-30
5. WET UNIT WEIGHT (kg/cm^3)			1.793	
6. SPECIFIC GRAVITY OF SOLIDS				
7. WATER CONTENT (% dry weight)	45.50	48.03	48.74	
8. VOID RATIO				
9. SATURATED VOID RATIO				
10. POROSITY (%)		(58)		
11. LIQUID LIMIT				
12. PLASTIC LIMIT				
13. PLASTICITY INDEX				
14. LIQUIDITY INDEX				
15. COMPRESSION INDEX FROM LL				
16. COMPRESSIVE STRENGTH NATURAL REMOULD (kg/cm^2)				
17. COHESION NATURAL REMOULD (kg/cm^2)				
18. SENSITIVITY				
19. ANGLE OF INTERNAL FRICTION ($^\circ$)				
20. ACTIVITY				
21. MODULUS OF ELASTICITY				
22. SLUMP (in)				
23. REMARKS Porosity calculated on an assumed 100% saturation.				

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY Coleman

062-78

DATE 6 October 1966

1. CRUISE NO.		4. SAMPLE NO.		5. DATE TAKEN (DAY, MO., YR.)		6. CORE LENGTH (cm)		7. TYPE CORE		8. CORE PENETRATION (cm)		9. CORE PLEGER	
2. LATITUDE	17° 44'	"	N	"		"							
3. LONGITUDE	108° 38'	"	E	"		"							
4. LABORATORY NUMBER	P1-8	P1-9	P1-10	P1-11									
5. SUBSAMPLE DEPTH IN CORE (cm)	0-3	3-5	10-20	20-30									
6. COLOR (GSA ROCK COLOR CHART)	5Y4/1	5Y4/1	5Y4/1	5Y4/1									
7. FIELD LAB DETERMINATION													
8. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a. 4. •	(min) (%)												
b. 5. 4	to 2	(mm) (%)											
c. 6. 2	to 1	mm (%)											
d. 7. 1	to .500	mm (%)											
e. 8. .500	to .250	mm (%)											
f. 9. .250	to .125	mm (%)											
g. 10. .125	to .062	mm (%)											
h. 11. .062	to .031	mm (%)											
i. 12. .031	to .016	mm (%)											
j. 13. .016	to .008	mm (%)											
k. 14. .008	to .004	mm (%)											
l. 15. .004	to .002	mm (%)											
m. 16. .002	to .001	mm (%)											
n. 17. .001	mm (%)												
o. Median Diameter (mm)	32	24	33	28									
p. Sorting Coefficient	0.040	0.0199	0.0039	0.0053									
q. Skewness	5.59	28.37	6.46	5.65									
r. Standard Deviation (m)	.049	2.927	4.39	4.10									
s. Sediment Type	SILTY SILTY CLAY SANDY CLAY SILTY CLAY												
t. Dominant Minerals (%)	•	•	•	•									
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)	6	12	15	16									
w. Organic Carbon (%)													
x. REMARKS													

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE 12 Dec 1966

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060-28

1. CRUISE NO.	4. SAMPLE NO. A.G - 11	7. TYPE CORE	Phleger
2. LATITUDE 17° 26' N.	5. DATE TAKEN (Day, month, year) 20 Sept 1966	8. CORE LENGTH (cm)	52
3. LONGITUDE 108° 00' E	6. WATER DEPTH (m)	9. CORE PENETRATION (cm)	
10. SUBSAMPLE DENSITY IN CORE (cm³)	0-7 7-10 10-20 20-27 27-30 30-40 40-47 47-52		
11. WET UNIT WEIGHT (g/cm³)	1.775	1.680	1.657
12. SPECIFIC GRAVITY OF SOLIDS			
13. WATER CONTENT (% dry weight)	43.93 49.30 51.75 53.56	56.03 57.64 52.76	
14. VOID RATIO			
15. SATURATED VOID RATIO			
16. POROSITY (%)	(54)	(59)	(61)
17. LIQUID LIMIT			
18. PLASTIC LIMIT			
19. PLASTICITY INDEX			
20. LIQUIDITY INDEX			
21. COMPRESSION INDEX FROM LL			
22. COMPRESSIVE STRENGTH NATURAL (kg/cm²)	REWOLD (kg/cm²)		
23. COHESION	NATURAL (kg/cm²)	32.79	20.96
	REWOLD (kg/cm²)	4.06	4.73
24. SENSITIVITY	8	4	4
25. ANGLE OF INTERNAL FRICTION (°)			
26. ACTIVITY			
27. MODULUS OF ELASTICITY			
28. SLUMP (in)			
29. REMARKS	Porosity calculated on an assumed 100% saturation.		

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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DATE 28 November 1966

ANALYZED BY Coleman

DATE 28 November 1966

D62-28

1. CRUISE NO.	C-0		j. TYPE CORE PHLEGER
2. LATITUDE	17° 53'	" N	5. DATE TAKEN (DAY, MO., YR.) 20 August 1966
3. LONGITUDE	108° 11'	" E	6. CORE LENGTH (cm) 21
10. LABORATORY NUMBER	P1-28	P1-29	7. CORE PENETRATION (cm)
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-21	
12. COLOR (GSA ROCK COLOR CHART) F FIELD L LAB DETERMINATION	5Y4/1	5Y4/1	
13. ODOR	T	L	
14. SIZE & COMPOSITION ANALYSIS			
a. > 4	(mm) (%)	1	
b. 4 to 2	(mm) (%)	2	1
c. 2 to 1	(mm) (%)	2	.2
d. 1 to .500	(mm) (%)	3	2
e. .500 to .250	(mm) (%)	16	16
f. .250 to .125	(mm) (%)	35	39
g. .125 to .062	(mm) (%)	14	13
h. .062 to .031	(mm) (%)		
i. .031 to .016	(mm) (%)	10	3
j. .016 to .008	(mm) (%)		
k. .008 to .004	(mm) (%)	7	8
l. .004 to .002	(mm) (%)		
m. .002 to .001	(mm) (%)	4	6
n. < .001	(mm) (%)	7	9
o. Median Diameter (mm)	.1387	.1410	
p. Sorting Coefficient	2.38	2.66	
q. Skewness	.500	.345	
r. Standard Deviation (mm)			
s. Sediment Type	sand	sand	
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	12	8	
w. Organic Carbon (%)			
15. REMARKS			

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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062-78

ANALYZED BY ColemanDATE 10 Dec. 1966

MGG 09005026

1. CRUISE NO.	4. SAMPLE NO.	C-1	7. TYPE CORER	Phleger
2. LATITUDE	51.	N	5. DATE TAKEN (day, month, year)	21 Aug. 1966
2. LONGITUDE	108° 07'	E	6. WATER DEPTH (m)	91
10. SUBSAMPLE DEPTH IN CORE (cm)	0-7	7-10	10-20	20-27
11. WET UNIT WEIGHT (g/cm^3)	1.805	X	27-30	30-32
12. SPECIFIC GRAVITY OF SOLIDS			32-38	38-43
13. WATER CONTENT (% dry weight)	37.42	37.44	41.54	37.38
14. VOID RATIO			42.59	
15. SATURATED VOID RATIO		X		
16. POROSITY (%)	(49)			
17. LIQUID LIMIT		X		
18. PLASTIC LIMIT				
19. PLASTICITY INDEX		X		
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm^2)			
23. COHESION NATURAL REMOULD	(g/cm^2)	36.51	17.24	6.42
24. SENSITIVITY	4			
25. ANGLE OF INTERNAL FRICTION (°)	3	X		
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (%)				
29. REMARKS				

Porosity calculated on an assumed 100% saturation.

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE 10 December 1966

062-785

1. CRUISE NO.	4. SAMPLE NO. C-1		7. TYPE CORER Phlegier	
2. LATITUDE 17° 51'	"N	5. DATE TAKEN (DAY, MO., YR.) 21 Aug. 1966	8. CORE LENGTH (cm)	43
3. LONGITUDE 108° 07'	"E	6. WATER DEPTH (m)	91	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	P1-50 P1-51 P1-52 P1-53			
11. SUBSAMPLE DEPTH IN CORE (cm)	0-7 10-20 20-27 32-42			
12. COLOR (GSA ROCK COLOR CHART) E FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5Y4/1 5Y4/1 5Y4/1			
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (%)				
b. .4 to .2 mm (%)				
c. .2 to 1 mm (%)	1	2	1	
d. .1 to .500 mm (%)	1	2	1	
e. .500 to .250 mm (%)	6	7	3	
f. .250 to .125 mm (%)	14	16	9	7
g. .125 to .062 mm (%)	31	27	26	21
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)	22	18	32	28
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)	9	12	10	15
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)	8	8	8	11
n. <.001 mm (%)	8	7	9	15
o. Median Diameter (mm)	0.670	1.387	0.372	0.221
p. Sorting Coefficient	2.69	2.59	2.78	4.39
q. Skewness	.392	.037	.679	.511
r. Standard Deviation (mm)				
s. Sediment Type	SILTY SAND	SILTY SANDY SILT	SANDY SILT	
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	11	16	10	8
w. Organic Carbon (%)				
15. REMARKS				

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY ColemanDATE 12 Dec. 1966

062-78

1. CRUISE NO.	4. SAMPLE NO.	C-2	7. TYPE CORER	Phleger
2. LATITUDE 17° 53'	N	5. DATE TAKEN (day, month, year)	22 Aug. 1966	A. CORE LENGTH (cm)
3. LONGITUDE 108° 02'	E	6. WATER DEPTH (m)	86	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-1	1-8	8-10	10-20
11. WET UNIT WEIGHT (g/cm³)				
12. SPECIFIC GRAVITY OF SOLIDS	31.98		36.02	38.13
13. WATER CONTENT (% dry weight)				
14. VOID RATIO				
15. SATURATED VOID RATIO		(50)		(52)
16. POROSITY (%)				
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm²)	(g/cm²)		
23. COHESION NATURAL REMOULD	(g/cm²)	(g/cm²)		
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (%)				
29. REMARKS	Porosity calculated on an assumed 100% saturation.			

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 12 December 1966

062-28

1. CRUISE NO.	4. SAMPLE NO. C-2		7. TYPE CORER	Phleger
2. LATITUDE 17° 53'	" N	5. DATE TAKEN (DAY, MO., YR.)	22 Aug 1966	39
3. LONGITUDE 108° 02'	" E	6. WATER DEPTH (m)		
10. LABORATORY NUMBER	P1-54	P1-55	P1-57	P1-58 P1-59
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	5-7	10-20	30-34 35-39
12. COLOR (GSA ROCK COLOR CHART) FIELD [] LAB DETERMINATION	5Y4/1 II	5Y4/1 I	5Y4/1 I	5Y4/1 I
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (%)	3	4	2	
b. .4 to .2 mm (%)	4	4	2	5
c. .2 to .1 mm (%)	3	7	4	9
d. .1 to .050 mm (%)	4	7	5	6
e. .500 to .250 mm (%)	8	8	8	6
f. .250 to .125 mm (%)	29	22	28	16
g. .125 to .062 mm (%)	16	12	11	6
h. .062 to .031 mm (%)				2
i. .031 to .016 mm (%)	16	15	13	17
j. .016 to .008 mm (%)				35
k. .008 to .004 mm (%)	10	10	8	11
l. .004 to .002 mm (%)				11
m. .002 to .001 mm (%)	8	7	7	8
n. < .001 mm (%)	7	7	5	8
o. Median Diameter (mm)	.0947	.1250	.1387	.0854 .0563 .0087
p. Sorting Coefficient	3.25	4.14	3.50	3.80 6.16 4.08
q. Skewness	.329	.353	.337	.276 .787 .433
r. Standard Deviation (mm)				
s. Sediment Type	Silty sand	Silty sand	Silty sandy	Clayey
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	18	24	17	13 14 5
w. Organic Carbon (%)				
15. REMARKS				

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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C-3

ANALYZED BY ColemanDATE 12 Dec. 1966

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger
2. LATITUDE 18 ° 00 '	5. DATE TAKEN (day, month, year)	8. CORE LENGTH (cm)	33
3. LONGITUDE 107 ° 55 '	6. WATER DEPTH (m)	9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-5	0-5	
11. WET UNIT WEIGHT (g/cm³)	1.807		
12. SPECIFIC GRAVITY OF SOLIDS			
13. WATER CONTENT (% dry weight)	33.58	38.72	30.72
14. VOID RATIO	(50)	32.54	
15. SATURATED VOID RATIO			
16. POROSITY (%)			
17. LIQUID LIMIT			
18. PLASTIC LIMIT			
19. PLASTICITY INDEX			
20. LIQUIDITY INDEX			
21. COMPRESSION INDEX FROM LL			
22. COMPRESSIVE STRENGTH NATURAL REMOULD (g/cm²)			
23. COHESION NATURAL REMOULD (g/cm²)			
24. SENSITIVITY			
25. ANGLE OF INTERNAL FRICTION (°)			
26. ACTIVITY			
27. MODULUS OF ELASTICITY			
28. SLUMP (in)			
29. REMARKS			

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Core badly disturbed, partly dessicated. Porosity calculated on an assumed 100% saturation.

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY ColemanDATE 12 December 1966061-82

1. CRUISE NO.	4. SAMPLE NO. C-3	
2. LATITUDE <u>18° 00'</u>	" N	5. DATE TAKEN (DAY, MO., YR.) <u>22 Aug 1966</u>
3. LONGITUDE <u>107° 55'</u>	" E	6. WATER DEPTH (m) <u>91</u>
10. LABORATORY NUMBER	P1-60	P1-61 P1-62
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-20 20-33
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5Y4/1	5Y4/1
13. ODOR		
14. SIZE & COMPOSITION ANALYSIS		
a. <u>> 4</u> mm (%)		
b. .4 to .2 mm (%)	Tr	1
c. .2 to .1 mm (%)	Tr	1
d. .1 to .500 mm (%)	1	2
e. .500 to .250 mm (%)	5	10
f. .250 to .125 mm (%)	38	36
g. .125 to .062 mm (%)	24	15
h. .062 to .031 mm (%)		17
i. .031 to .016 mm (%)	4	14
j. .016 to .008 mm (%)		6
k. .008 to .004 mm (%)	5	9
l. .004 to .002 mm (%)		11
m. .002 to .001 mm (%)	11	7
n. <u>< .001</u> mm (%)	12	6
o. Median Diameter (mm)	• 1015	• 1127 • 1207
p. Sorting Coefficient	4.90	3.03 3.87
q. Skewness	.096	.250 .125
r. Standard Deviation (mm)		
s. Sediment Type	Clayey silty sand	sand sand
t. Dominant Minerals (%)		
u. Secondary Minerals (%)		
v. Calcium Carbonate (%)	10	10 11
w. Organic Carbon (%)		
15. REMARKS		

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman

DATE 12 Dec. 1966

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Oct. - 28

1. CRUISE NO.	4. SAMPLE NO.	C-4	7. TYPE CORER	Phleger
2. LATITUDE 17° 40'	N	5. DATE TAKEN (Day, month, year)	22 Aug. 1966	A. CORE LENGTH (cm)
3. LONGITUDE 108° 12'	E	6. WATER DEPTH (m)	91	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-17	17-20	20-30
11. WET UNIT WEIGHT (g/cm ³)	1.814			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	40.08	39.24	40.53	
14. VOID RATIO				
15. SATURATED VOID RATIO	(51)			
16. POROSITY (%)				
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL	(g/cm ²)			
	REMOULD	(g/cm ²)		
23. COHESION	NATURAL	(g/cm ²)		
	REMOULD	(g/cm ²)		
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (%)				
29. REMARKS				

Porosity calculated on an assumed 100% saturation.

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY

Coleman

DATE 12 Dec 1966

062 - 78

1. CRUISE NO.	4. SAMPLE NO.	C-4	7. TYPE CORER Phleger
2. LATITUDE 17° 40'	5. DATE TAKEN (DAY, MO., YR.)	22 Aug 1966	8. CORE LENGTH (cm)
3. LONGITUDE 108° 12'	6. WATER DEPTH (m)	91.4	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	P1-63 P1-64 P1-65 P-166		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10 12-20 22-28 30-35		
12. COLOR (GSA ROCK COLOR CHART) FFIELD LAB DETERMINATION	5YR4/1 5Y4/1 5Y4/1 110R3/4		
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm	2		
b. 4 to 2 mm	Tr.	1	Tr.
c. 2 to 1 mm	2	4	Tr.
d. 1 to .500 mm	5	5	4
e. .500 to .250 mm	10	10	7
f. .250 to .125 mm	12	13	12
g. .125 to .062 mm	19	19	17
h. .062 to .031 mm	23	23	21
i. .031 to .016 mm	20	23	
j. .016 to .008 mm	11	12	
k. .008 to .004 mm	12		
l. .004 to .002 mm	7	9	8
m. .002 to .001 mm	9	7	9
n. < .001 mm	7	9	8
o. Median Diameter (mm)	0.526	0.693	0.508
p. Sorting Coefficient	3.67	4.37	4.35
q. Skewness	5.91	4.79	5.96
r. Standard Deviation (mm)			5.29
s. Sediment Type	SILTY SILTY SILTY CLAYEY sand sand sand		
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	20	21	12
w. Organic Carbon (%)			4
15. REMARKS			

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE 12 Dec. 1966

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062-78

1. CRUISE NO.	170	49	N	4. SAMPLE NO.	• C-5	7. TYPE CORER	Phleger
2. LATITUDE	17° 49'			5. DATE TAKEN (Day, month, year)	23 Aug. 1966	8. CORE LENGTH (cm)	28
3. LONGITUDE	108° 01'	E	"	6. WATER DEPTH (m)	91	9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-20	20-28				
11. WET UNIT WEIGHT (g/cm³)							
12. SPECIFIC GRAVITY OF SOLIDS							
13. WATER CONTENT (% dry weight)	42.61	33.37	34.11*				
14. VOID RATIO	•	•	•				
15. SATURATED VOID RATIO							
16. POROSITY (%)	•	•	•				
17. LIQUID LIMIT							
18. PLASTIC LIMIT							
19. PLASTICITY INDEX							
20. LIQUIDITY INDEX							
21. COMPRESSION INDEX FROM LL							
22. COMPRESSIVE STRENGTH NATURAL	(g/cm²)						
	REMOULD	(g/cm²)					
23. COHESION	NATURAL	(g/cm²)					
	REMOULD	(g/cm²)					
24. SENSITIVITY							
25. ANGLE OF INTERNAL FRICTION (°)							
26. ACTIVITY							
27. MODULUS OF ELASTICITY							
28. SLUMP (z)	•						
29. REMARKS	* Core partly dessicated, all moistures are low.						

PRNC-NAYOCCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 12 Dec 1966062-78

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. CORE LENGTH (cm)	8. CORE TYPE	9. PHLEGEM
2. LATITUDE <u>17° 49'</u>	" N	23 Aug 1966				
3. LONGITUDE <u>108° 01'</u>	" E					
10. LABORATORY NUMBER	<u>P1-67 P1-68 P1-69</u>					
11. SUBSAMPLE DEPTH IN CORE (cm)	<u>0-8 8-12 20-28</u>					
12. COLOR (GSA ROCK COLOR CHART) <u>FIELD</u> <u>LAB DETERMINATION</u>	<u>5YR4/15YR4/1 5Y4/1</u>					
13. ODOR						
14. SIZE & COMPOSITION ANALYSIS						
a. <u>> 4</u> mm (%)	1	1				
b. 4 to 2 mm (%)			3 Trace			
c. 2 to 1 mm (%)	4	2				
d. 1 to .500 mm (%)	1	3				
e. .500 to .250 mm (%)	5	7	10			
f. .250 to .125 mm (%)	17	20	24			
g. .125 to .062 mm (%)	15	17	14			
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)	24	23	20			
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)	16	10	10			
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)	11	5	7			
n. < .001 mm (%)	11	7	7			
o. Median Diameter (mm)	.0292	.0718	.0797			
p. Sorting Coefficient	4.41	3.20	3.36			
q. Skewness	.619	.635	.467			
r. Standard Deviation (mm)						
s. Sediment Type	SANDY SILTY SILTY	SAND	SAND			
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)	12	16	19			
w. Organic Carbon (%)						
15. REMARKS						

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE 12 Dec. 1966

370 062-78

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger
2. LATITUDE	5. DATE TAKEN (day, month, year)	24 Aug. 1966	B. CORE LENGTH (cm)
3. LONGITUDE	6. WATER DEPTH (m)	91	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-17	17-27
11. WET UNIT WEIGHT (g/cm^3)	1.935		
12. SPECIFIC GRAVITY OF SOLIDS			
13. WATER CONTENT (% dry weight)	33.28	32.04	35.17
14. VOID RATIO			
15. SATURATED VOID RATIO			
16. POROSITY (%)	(47)		
17. LIQUID LIMIT			
18. PLASTIC LIMIT			
19. PLASTICITY INDEX			
20. LIQUIDITY INDEX			
21. COMPRESSION INDEX FROM LL			
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm^2)	(g/cm^2)	
23. COHESION NATURAL REMOULD	(g/cm^2)	(g/cm^2)	
24. SENSITIVITY			
25. ANGLE OF INTERNAL FRICTION ($^\circ$)			
26. ACTIVITY			
27. MODULUS OF ELASTICITY			
28. SLUMP (")			
29. REMARKS			

Core partly dessicated. Porosity calculated on an assumed 100% saturation.

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

062-78

Coleman

ANALYZED BY _____

DATE 12 December 1966

1. CRUISE NO.	4. SAMPLE NO.		7. TYPE CORE PHLEGER	
2. LATITUDE 17° 51'	" N	5. DATE TAKEN (DAY, MO., YR.)	24 Aug 1966	\$ CORE LENGTH (cm) 27
3. LONGITUDE 108° 09'	" E	6. WATER DEPTH (m)	91	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	P1-70	P1-71	P1-72	
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-16	20-27	
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5Y4/1	5Y4/1	5Y4/1	
13. ODOR	I	I	I	
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (%)	3	5		
b. .4 to .2 mm (%)	2	4	1	
c. .2 to .1 mm (%)	3	4		
d. .1 to .500 mm (%)	3	4	2	
e. .500 to .250 mm (%)	10	11	5	
f. .250 to .125 mm (%)	28	30	18	
g. .125 to .062 mm (%)	12	13	14	
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)	14	11	19	
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)	12	9	18	
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)	7	5	10	
n. <.001 mm (%)	8	5	12	
o. Median Diameter (mm)	.1088	.1436	.0313	
p. Sorting Coefficient	3.93	2.78	5.19	
q. Skewness	.241	.518	.654	
r. Standard Deviation (mm)				
s. Sediment Type	Silty sand	Silty sand	Silty sand	
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	15	16	11	
w. Organic Carbon (%)				
15. REMARKS				

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY ColemanDATE 12 Dec. 1966

061-28

1. CRUISE NO.	17	2. LATITUDE	49° N	3. LONGITUDE	108° 01' E	4. SAMPLE NO.	C-7	5. DATE TAKEN (Day, month, year)	24 Aug. 1966	6. WATER DEPTH (m)	102	7. TYPE CORER	Phleger
												A. CORE LENGTH (cm)	38
												B. CORE PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)		0-10	10-17	17-20	20-25	25-32	32-38						
11. WET UNIT WEIGHT (g/cm^3)		1.895											
12. SPECIFIC GRAVITY OF SOLIDS													
13. WATER CONTENT (% dry weight)		29.28	29.13			29.34	29.67	27.07					
14. VOID RATIO													
15. SATURATED VOID RATIO													
16. POROSITY (%)					(43)								
17. LIQUID LIMIT													
18. PLASTIC LIMIT													
19. ELASTICITY INDEX													
20. LIQUIDITY INDEX													
21. COMPRESSION INDEX FROM LL													
22. COMPRESSIVE STRENGTH NATURAL REMOULD													
23. COHESION NATURAL REMOULD													
24. SENSITIVITY													
25. ANGLE OF INTERNAL FRICTION (°)													
26. ACTIVITY													
27. MODULUS OF ELASTICITY													
28. SLUMP (in)													
29. REMARKS													

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Core partly dessicated, all moistures low. Porosity calculated on an assumed 100% saturation

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

PRNC-NAVOCEANO-3167/18 A (4-63)

370

1. CRUISE NO.	4. SAMPLE NO.	C-7	f. TYPE CORER Phleger
2. LATITUDE	5. DATE TAKEN (DAY, MO., YR.)	24 AUG 1966	8. CORE LENGTH (cm)
3. LONGITUDE	6. WATER DEPTH (m)	102	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	PL-73	PL-74	PL-75 PL-76
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-20	25-32 32-38
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	SY4/1 T	SY4/1 T	SY4/1 T
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. .4 to 2 mm (%)	1	1	
c. .2 to 1 mm (%)	1	2	3 Trace
d. .1 to .500 mm (%)	2	2	3
e. .500 to .250 mm (%)	10	11	16 12
f. .250 to .125 mm (%)	42	39	43 21
g. .125 to .062 mm (%)	12	11	10 13
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)	10	13	5 29
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%)	15	10	8 9
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)	1	6	5 7
n. < .001 mm (%)	6	6	6 7
o. Median Diameter (mm)	.1294	.1294	.1487 .0563
p. Sorting Coefficient	2.93	2.98	1.90 2.84
q. Skewness	.250	.241	.732 .706
r. Standard Deviation (mm)			
s. Sediment Type	SILTY SANDY	SILTY SANDY	SILTY SANDY
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	8	10	11 6
w. Organic Carbon (%)			
15. REMARKS			

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE 10 Dec. 1966

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062-T

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger
2. LATITUDE	17° 42'	5. DATE TAKEN (Day, month, year)	25 Aug. 1966
3. LONGITUDE	107° 51'	6. WATER DEPTH (m)	95
10. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-17	17-23
11. WET UNIT WEIGHT (g/cm^3)		1.834	1.760
12. SPECIFIC GRAVITY OF SOLIDS	45.97	36.27	40.12
13. WATER CONTENT (% dry weight)		47.17	36.81
14. VOID RATIO			
15. SATURATED VOID RATIO			
16. POROSITY (%)	(49)	(56)	(51)
17. LIQUID LIMIT			
18. PLASTIC LIMIT			
19. PLASTICITY INDEX			
20. LIQUIDITY INDEX			
21. COMPRESSION INDEX FROM LL			
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm^2)	(g/cm^2)	
23. COHESION NATURAL REMOULD	(g/cm^2)	(g/cm^2)	
24. SENSITIVITY			
25. ANGLE OF INTERNAL FRICTION ($^\circ$)			
26. ACTIVITY			
27. MODULUS OF ELASTICITY			
28. SLUMP (%)			
29. REMARKS	Porosity calculated on an assumed 100% saturation.		

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE 10 December 1966

062-77

1. CRUISE NO.	4. SAMPLE NO.	C-8	7. TYPE CORER	Phleger
2. LATITUDE 17° 42'	" N	5. DATE TAKEN (DAY, MO., YR.)	25 Aug. 1966	B. CORE LENGTH (cm)
3. LONGITUDE 107° 51'	" E	6. WATER DEPTH (m)	95	4.7
10. LABORATORY NUMBER	P1-77	P1-78	P1-79	P1-80
11. SUBSAMPLE DEPTH IN CORE (cm)	0-6	10-17	25-30	30-40
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5Y4/1	5Y4/1	5Y4/1	5Y4/1
13. DGR				
14. SIZES & COMPOSITION ANALYSIS				
a. 4 to 2 mm (%)	1	5	2	1
b. 4 to 1 mm (%)	2	4	1	1
c. 2 to .500 mm (%)	1	4	2	1
d. .500 to .250 mm (%)	2	11	5	3
e. .250 to .125 mm (%)	13	23	20	15
f. .125 to .062 mm (%)	16	16	11	7
g. .062 to .031 mm (%)				
h. .031 to .016 mm (%)	28	19	22	29
i. .016 to .008 mm (%)				
k. .008 to .004 mm (%)	15	10	10	19
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)	12	7	10	14
n. <.001 mm (%)	12	6	11	17
o. Median Diameter (mm)	.0245	.0854	.0508	.0516
p. Sorting Coefficient	4.14	3.42	6.07	6.27
q. Skewness	.670	.449	.329	.712
r. Standard Deviation (mm)				
s. Sediment Type	SANDY SILTY CLAY	SILTY CLAY	SILTY CLAY	SILTY CLAY
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	12	16	11	9
w. Organic Carbon (%)				
15. REMARKS				

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY Coleman
 DATE 12 Dec. 1966

062-77

1. CRUISE NO.		4. SAMPLE NO.	C-9	7. TYPE CORER	Phleger
2. LATITUDE	17° 54'	N	5. DATE TAKEN (Day, month, year)	31 Aug. 1966	8. CORE LENGTH (cm)
3. LONGITUDE	107° 56'	E	6. WATER DEPTH (m)	90	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-17	17-23	23-30	30-35 35-44
11. WET UNIT WEIGHT (g/cm^3)		1.820	1.774		
12. SPECIFIC GRAVITY OF SOLIDS	40.21	41.02	38.86	48.93	50.91 44.54
13. WATER CONTENT (% dry weight)					
14. VOID RATIO					
15. SATURATED VOID RATIO					
16. POROSITY (%)		(53)	(54)		
17. LIQUID LIMIT					
18. PLASTIC LIMIT					
19. PLASTICITY INDEX					
20. LIQUIDITY INDEX					
21. COMPRESSION INDEX FROM LL					
22. COMPRESSIVE STRENGTH NATURAL	(kg/cm^2)	REMOULD	(kg/cm^2)		
23. COHESION NATURAL	(kg/cm^2)	REMOULD	(kg/cm^2)		
24. SENSITIVITY					
25. ANGLE OF INTERNAL FRICTION (°)					
26. ACTIVITY					
27. MODULUS OF ELASTICITY					
28. SLUMP (%)					
29. REMARKS	Porosity calculated on an assumed 100% saturation.				

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY Coleman
 DATE 12 December 1966

062-27

1. CRUISE NO.	4. SAMPLE NO.	C-9	7. TYPE CORER	Phleger
2. LATITUDE <u>17° 54'</u>	" N	5. DATE TAKEN TODAY, MO., YR.)	31 Aug.	1966
3. LONGITUDE <u>107° 56'</u>	" E	6. WATER DEPTH (m)	90	
10. LABORATORY NUMBER	P1-82	P1-83	P1-84	P1-85
11. SUBSAMPLE DEPTH IN CORE (cm)	0-10	10-17	23-30	35-44
12. COLOR (GSA ROCK COLOR CHART) <input checked="" type="checkbox"/> FIELD <input type="checkbox"/> LAB DETERMINATION	5Y4/1	5Y4/1	5Y4/1	
13. GDR				
14. SIZE & COMPOSITION ANALYSIS				
a. 7 4	(mm) (%)			
b. .4 to .2	(mm) (%)	2	1	2
c. .2 to 1	mm (%)	2	1	1
d. .1 to .500	mm (%)	1	3	2
e. .500 to .250	mm (%)	4	7	3
f. .250 to .125	mm (%)	26	31	16
g. .125 to .062	mm (%)	17	16	13
h. .062 to .031	mm (%)			8
i. .031 to .016	mm (%)	23	19	
j. .016 to .008	mm (%)			
k. .008 to .004	mm (%)	12	9	15
l. .004 to .002	mm (%)			14
m. .002 to .001	mm (%)	8	5	10
n. < .001	mm (%)	9	6	10
o. Median Diameter (mm)	.0583	.0769	.0292	.0245
p. Sorting Coefficient	3.80	2.87	4.20	5.55
q. Skewness	.392	.684	.903	.905
r. Standard Deviation (mm)				
s. Sediment Type	Sandy Silt	Sandy Silt	Sandy Silt	Sandy Silt
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	14	13	14	14
w. Organic Carbon (%)				
15. REMARKS				

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CORE ANALYSIS SUMMARY SHEET ENGINEERING PROPERTIES

PRNC-NAVOCEANO-3167/18 B (4-63)

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ANALYZED BY Coleman
DATE Jan. 1967

062-58

1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO.	5. DATE TAKEN (Day, month, year)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)	Ship#
18	11.0° N	108° E	E-2	31 Oct. 1966	45	10	10	7	
2. LATITUDE 108	• 11.0 •	3. LONGITUDE 108	• 39.0 •	" " "	" "	"	"	"	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6	11. WET UNIT WEIGHT (g/cm ³)	1.905	12. SPECIFIC GRAVITY OF SOLIDS		13. WATER CONTENT (% dry weight)	29.42	14. VOID RATIO	
15. SATURATED VOID RATIO		16. POROSITY (%)	(43)	17. LIQUID LIMIT		18. PLASTIC LIMIT		19. PLASTICITY INDEX	
20. LIQUIDITY INDEX		21. COMPRESSION INDEX FROM LL		22. COMPRESSIVE STRENGTH NATURAL (g/cm ²)		23. COHESION NATURAL (g/cm ²)		24. SENSITIVITY	
				REMOULD (g/cm ²)		REMOULD (g/cm ²)		25. ANGLE OF INTERNAL FRICTION (°)	
								26. ACTIVITY	
								27. MODULUS OF ELASTICITY	
								28. SLUMP (")	
								29. REMARKS	

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman

370

DATE 23 January 1967062-88

1. CRUISE NO.	4. SAMPLE NO.	E-2	7. TYPE COREF Shippek
2. LATITUDE	18° 11.0' N	5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)
3. LONGITUDE	108° 39.0' E	6. WATER DEPTH (m)	9. CORE PENETRATION (cm)
10. LABORATORY NUMBER			
11. SUBSAMPLE DEPTH IN CORE (cm)			
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION			
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. 4 to 2 mm (%)			
c. 2 to 1 mm (%)			
d. 1 to .500 mm (%)			
e. .500 to .250 mm (%)			
f. .250 to .125 mm (%)			
g. .125 to .062 mm (%)			
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)			
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%)			
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)			
n. < .001 mm (%)			
o. Median Diameter (mm)	0.1387	FIDUCY	
p. Sorting Coefficient	3.67		
q. Skewness	.170		
r. Standard Deviation (mm)			
s. Sediment Type			
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	20		
w. Organic Carbon (%)			
15. REMARKS			

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY ColemanDATE 23 January 1967060 - 8820

1. CRUISE NO.	4. SAMPLE NO. <u>E-32-(A)</u>	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. CORE LENGTH (cm)	8. CORE PENETRATION (cm)	9. TYPE CORED <u>Shidek</u>
2. LATITUDE <u>18° 08.0' N</u>	"	"	"	"	"	"
3. LONGITUDE <u>108° 28.1' E</u>	"	"	"	"	"	"
10. LABORATORY NUMBER	<u>1-216</u>					
11. SUBSAMPLE DEPTH IN CORE (cm)	<u>0-3</u>					
12. COLOR (GSA ROCK COLOR CHART) <u>FIELD [] LAB DETERMINATION</u>	<u>SYR5/4</u>					
13. ODOR						
14. SIZE & COMPOSITION ANALYSIS						
a. > <u>4</u> mm (%)						
b. 4 to <u>2</u> mm (%)						
c. <u>2</u> to <u>1</u> mm (%)						
d. <u>1</u> to <u>.500</u> mm (%)						
e. <u>.500</u> to <u>.250</u> mm (%)						
f. <u>.250</u> to <u>.125</u> mm (%)						
g. <u>.125</u> to <u>.062</u> mm (%)						
h. <u>.062</u> to <u>.031</u> mm (%)						
i. <u>.031</u> to <u>.016</u> mm (%)						
j. <u>.016</u> to <u>.008</u> mm (%)						
k. <u>.008</u> to <u>.004</u> mm (%)						
l. <u>.004</u> to <u>.002</u> mm (%)						
m. <u>.002</u> to <u>.001</u> mm (%)						
n. < <u>.001</u> mm (%)						
o. Median Diameter (mm)						
p. Sorting Coefficient						
q. Skewness						
r. Standard Deviation (mm)						
s. Sediment Type <u>"Shells"</u>						
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)						
w. Organic Carbon (%)						
x. REMARKS						

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

062-88

ANALYZED BY ColemanDATE Jan 1967

1. CRUISE NO.	4. SAMPLE NO. E- 3-(B)	7. TYPE CORER Shipek
2. LATITUDE	18 ° 08.0'	5. DATE TAKEN (Day, month, year) 1 Nov. 1966
3. LONGITUDE	108 ° 28.1'	6. WATER DEPTH (m) 73.2
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6	8. CORE LENGTH (cm) 10
11. WET UNIT WEIGHT (g/cm³)	1.886	9. CORER PENETRATION (cm)
12. SPECIFIC GRAVITY OF SOLIDS		
13. WATER CONTENT (%) dry weight)	32.88	
14. VOID RATIO		
15. SATURATED VOID RATIO		
16. POROSITY (%)	(47)	
17. LIQUID LIMIT		
18. PLASTIC LIMIT		
19. PLASTICITY INDEX		
20. LIQUIDITY INDEX		
21. COMPRESSION INDEX FROM LL		
22. COMPRESSIVE STRENGTH NATURAL	(g/cm²)	
	REMOULD	(g/cm²)
23. COHESION	NATURAL	(g/cm²)
	REMOULD	(g/cm²)
24. SENSITIVITY		
25. ANGLE OF INTERNAL FRICTION (°)		
26. ACTIVITY		
27. MODULUS OF ELASTICITY		
28. SLUMP (%)		
29. REMARKS		

Porosity calculated on an assumed 100% saturation.

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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• 062-88

CRUISE NO. E-3 (B)

ANALYZED BY Coleman

DATE 23 January 1967

1. CRUISE NO.	4. SAMPLE NO. E-3 (B)	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER Shipek	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
2. LATITUDE 18° 08.0' N	"	"	"	"	"	"
3. LONGITUDE 108° 28.1' E	"	"	"	"	"	"
4. LABORATORY NUMBER	11-173					
5. SUBSAMPLE DEPTH IN CORE (cm)	0-3					
6. COLOR (ISA ROCK COLOR CHART) FIELD LAB DETERMINATION	5Y4/1					
7. ODOR						
8. SIZE & COMPOSITION ANALYSIS						
a. > 4 mm (%)	10					
b. .4 to .2 mm (%)	7					
c. .2 to .1 mm (%)	3					
d. .1 to .500 mm (%)	5					
e. .500 to .250 mm (%)	14					
f. .250 to .125 mm (%)	1.8					
g. .125 to .062 mm (%)	6					
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)	10					
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)	11					
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)	8					
n. < .001 mm (%)	7					
o. Median Diameter (mm)	.1593					
p. Sorting Coefficient	5.85					
q. Skewness	.288					
r. Standard Deviation (mm)						
s. Sediment Type	SILTY SAND					
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)	25					
w. Organic Carbon (%)						
15. REMARKS						

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE Jan. 1967

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1. CRUISE NO.	18	2. LATITUDE	03° 4' N	4. SAMPLE NO.	E-4	7. TYPE CORER	Shipek
3. LONGITUDE	108° 19.8' E	"	"	5. DATE TAKEN (Day, month, year)	1 Nov. 1966	8. CORE LENGTH (cm)	10
10. SUBSAMPLE DEPTH IN CORE (cm)	75.0	6. WATER DEPTH (m)	"	9. CORER PENETRATION (cm)	"		
11. WET UNIT WEIGHT (g/cm^3)	1.928	0-6	"	"	"		
12. SPECIFIC GRAVITY OF SOLIDS	"	"	"	"	"		
13. WATER CONTENT (% dry weight)	32.88	"	"	"	"		
14. VOID RATIO	"	"	"	"	"		
15. SATURATED VOID RATIO	"	"	"	"	"		
16. POROSITY (%)	(47)	"	"	"	"		
17. LIQUID LIMIT	"	"	"	"	"		
18. PLASTIC LIMIT	"	"	"	"	"		
19. PLASTICITY INDEX	"	"	"	"	"		
20. LIQUIDITY INDEX	"	"	"	"	"		
21. COMPRESSION INDEX FROM LL	"	"	"	"	"		
22. COMPRESSIVE STRENGTH NATURAL	(g/cm^2)	REMOULD	(g/cm^2)	"	"		
23. COHESION NATURAL	(g/cm^2)	REMOULD	(g/cm^2)	"	"		
24. SENSITIVITY	"	"	"	"	"		
25. ANGLE OF INTERNAL FRICTION ($^\circ$)	"	"	"	"	"		
26. ACTIVITY	"	"	"	"	"		
27. MODULUS OF ELASTICITY	"	"	"	"	"		
28. SLUMP (%)	"	"	"	"	"		
29. REMARKS	Porosity calculated on an assumed 100% saturation.						

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE 23 January 1967

062-88

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Shippek
2. LATITUDE	5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)	
3. LONGITUDE	6. WATER DEPTH (m)	9. CORER PENETRATION (cm)	
1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Shippek
2. LATITUDE 18° 03'.4" N	"	5. DATE TAKEN (DAY, MO., YR.)	
3. LONGITUDE 108° 19'.8" E	"	6. WATER DEPTH (m)	75.0
10. LABORATORY NUMBER	1-174	7. TYPE CORER	
11. SUBSAMPLED DEPTH IN CORE (cm)	0-3	8. CORE LENGTH (cm)	
12. COLOR IGS-A ROCK COLOR CHART	5Y4/1	9. CORER PENETRATION (cm)	
E FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	I		
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. 4 to 2 mm (%)			
c. 2 to 1 mm (%)	1		
d. 1 to .500 mm (%)	1		
e. .500 to .250 mm (%)	3		
f. .250 to .125 mm (%)	31		
g. .125 to .062 mm (%)	21		
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)	16		
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%)	14		
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)	8		
n. < .001 mm (%)	7		
o. Median Diameter (mm)	.0718		
p. Sorting Coefficient	3.55		
q. Skewness	• 296		
r. Standard Deviation (mm)			
s. Sediment Type	SILTY SAND		
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	11		
w. Organic Carbon (%)			
15. REMARKS			

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE Jan. 1967Ola - 78270

1. CRUISE NO.	4. SAMPLE NO.	E-5	7. TYPE CORER	Shipek
2. LATITUDE	5. DATE TAKEN (day, month, year)	1 Nov. 1966	8. CORE LENGTH (cm)	10
3. LONGITUDE	6. WATER DEPTH (m)	73.2	9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6			
11. WET UNIT WEIGHT (g/cm^3)	1.694			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	55.9			
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(61)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm^2) (g/cm^2)			
23. COHESION NATURAL REMOULD	(g/cm^2) (g/cm^2)			
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION ($^\circ$)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (cm)				
29. REMARKS	Porosity calculated on an assumed 100% saturation.			

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE 23 January 1967

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1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Shipek
2. LATITUDE 17°56.2' N	5. DATE TAKEN (DAY, MO., YR.) "	8. CORE LENGTH (cm)	
3. LONGITUDE 108°18.0' E	6. WATER DEPTH (m)	9. CORER PENETRATION (cm)	
10. LABORATORY NUMBER	1-175		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3		
12. COLOR (GSA ROCK COLOR CHART) EFIELD LAB DETERMINATION	SY4/1		
13. OODR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. .4 to .2 mm (%)			
c. .2 to .1 mm (%) Tr.			
d. .1 to .500 mm (%) Tr.			
e. .500 to .250 mm (%) 2			
f. .250 to .125 mm (%) 7			
g. .125 to .062 mm (%) 12			
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%) 26			
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%) 28			
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%) 13			
n. <.001 mm (%) 11			
o. Median Diameter (mm) .0127			
p. Sorting Coefficient 3.54			
q. Skewness 1.185			
r. Standard Deviation (mm)			
s. Sediment Type silty mud			
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%) 16			
w. Organic Carbon (%)			
15. REMARKS			

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY ColemanDATE Jan. 1966

062-77

1. CRUISE NO.	4. SAMPLE NO.	P-6	7. TYPE CORER	Shipek
2. LATITUDE 17° 14.2' N	5. DATE TAKEN (day, month, year)	2 Nov. 1966	8. CORE LENGTH (cm)	10
3. LONGITUDE 107° 25.7' E	6. WATER DEPTH (m)	57.9	9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6			
11. WET UNIT WEIGHT (g/cm^3)	1.526			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	93.73			
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(74)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm^2) (g/cm^2)			
23. COHESION NATURAL REMOULD	(g/cm^2) (g/cm^2)			
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (ϕ)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (%)				
29. REMARKS Porosity calculated on an assumed 100% saturation.				

PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 23 January 1967

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1. CRUISE NO.	4. SAMPLE NO. E-6		7. TYPE CORER, Shipok
2. LATITUDE 17° 14.2' N	5. DATE TAKEN (DAY, MO., YR.)		8. CORE LENGTH (cm)
3. LONGITUDE 107° 25.7' E	6. WATER DEPTH (m) 57.9		9. CORER PENETRATION (cm)
10. LABORATORY NUMBER 1-176			
11. SUBSAMPLE DEPTH IN CORE (cm) 0-3			
12. COLOR (GSA ROCK COLOR CHART) FF FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	GYR 3/2		
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. 4 to 2 mm (%)			
c. 2 to 1 mm (%)			
d. 1 to .500 mm (%)			Tr.
e. .500 to .250 mm (%)			Tr.
f. .250 to .125 mm (%)			2
g. .125 to .062 mm (%)			4
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)			20
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%)			26
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)			26
n. <.001 mm (%)			21
o. Median Diameter (mm)			0.0043
p. Sorting Coefficient			3.67
q. Skewness			1.051
r. Standard Deviation (mm)			SILTY CLAY
s. Sediment Type			
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)			14
w. Organic Carbon (%)			14
15. REMARKS			

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PRNC-NAVOCEANO-3167/18 B (4-63)

CORE ANALYSIS SUMMARY SHEET

ENGINEERING PROPERTIES

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ANALYZED BY Coleman

DATE Jan. 1966

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 23 January 1967

1. CRUISE NO.	4. SAMPLE NO.		F-7	T. TYPE	CORER	Shipley
2. LATITUDE	17° 20.6' N	"	5. DATE TAKEN (DAY, MO., YR.)			
3. LONGITUDE	107° 33.7' E	"	6. WATER DEPTH (m)	58.5	8. CORE LENGTH (cm)	
10. LABORATORY NUMBER	11. SUBSAMPLE DEPTH IN CORE (cm)		12. COLOR (GSA ROCK COLOR CHART)	13. FIELD LAB DETERMINATION	14. OODR	9. CORER PENETRATION (cm)
	0-3		5Y4/1	L		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3					
12. COLOR (GSA ROCK COLOR CHART)	5Y4/1					
13. FIELD LAB DETERMINATION	L					
14. OODR						
15. SIZE & COMPOSITION ANALYSIS						
a.	> 4	(mm) (%)				
b.	.4 to .2	(mm) (%)				
c.	.2 to .1	(mm) (%)				
d.	.1 to .500	(mm) (%)				
e.	.500 to .250	(mm) (%)				
f.	.250 to .125	(mm) (%)				
g.	.125 to .062	(mm) (%)	2			
h.	.062 to .031	(mm) (%)				
i.	.031 to .016	(mm) (%)	2L			
j.	.016 to .008	(mm) (%)				
k.	.008 to .004	(mm) (%)	.28			
l.	.004 to .002	(mm) (%)				
m.	.002 to .001	(mm) (%)	2S			
n.	< .001	(mm) (%)	2A			
o.	Median Diameter	(mm)	.0045			
p.	Sorting Coefficient		3.78			
q.	Skewness		.858			
r.	Standard Deviation	(mm)				
s.	Sediment Type		Clayey Silt			
t.	Dominant Minerals	(%)				
u.	Secondary Minerals	(%)				
v.	Calcium Carbonate	(%)	20			
w.	Organic Carbon	(%)				
15. REMARKS						

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE Jan. 1967

062-77

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1. CRUISE NO.	4. SAMPLE NO.	E-8	1. TYPE CORER	Phleger
2. LATITUDE	17° 27.0'	N	5. DATE TAKEN (day, month, year)	2 Nov. 1966
3. LONGITUDE	107° 41.8'	E	6. WATER DEPTH (m)	64.0
10. SUBSAMPLE DEPTH IN CORE (cm)	1	0-6		
11. WET UNIT WEIGHT (g/cm^3)		1.414		
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)		125.37		
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)		(79)		
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH: NATURAL RENOILD		(g/cm^2) (kg/cm^2)		
23. COHESION	NATURAL RENOILD	(g/cm^2) (kg/cm^2)		
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (%)				
29. REMARKS				

Porosity calculated on an assumed 100% saturation.

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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DATE 062-77ANALYZED BY ColemanDATE 23 January 1967

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER Shipek
2. LATITUDE <u>27.0° N</u>	5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)
3. LONGITUDE <u>107° 41.8' E</u>	6. WATER DEPTH (m)	9. CORE PENETRATION (cm)
10. LABORATORY NUMBER	11. SUBSAMPLE DEPTH IN CORE (cm)	12. COLOR (SSA ROCK COLOR CHART) FIELD LAB DETERMINATION
11. <u>1.178</u>	<u>0-3</u>	<u>SYR4/1</u>
12. COLOR (SSA ROCK COLOR CHART) FIELD LAB DETERMINATION		
13. ODOR		
14. SIZE & COMPOSITION ANALYSIS		
a. <u>> 4</u> mm (%)		
b. <u>.4</u> to <u>2</u> mm (%)		
c. <u>.2</u> to <u>1</u> mm (%)		
d. <u>.1</u> to <u>.500</u> mm (%)		
e. <u>.500</u> to <u>.250</u> mm (%)		
f. <u>.250</u> to <u>.125</u> mm (%)		
g. <u>.125</u> to <u>.062</u> mm (%)		
h. <u>.062</u> to <u>.031</u> mm (%)		
i. <u>.031</u> to <u>.016</u> mm (%)	<u>16</u>	
j. <u>.016</u> to <u>.008</u> mm (%)		
k. <u>.008</u> to <u>.004</u> mm (%)	<u>37</u>	
l. <u>.004</u> to <u>.002</u> mm (%)		
m. <u>.002</u> to <u>.001</u> mm (%)	<u>23</u>	
n. <u>< .001</u> mm (%)	<u>24</u>	
o. Median Diameter (mm)	<u>.0053</u>	
p. Sorting Coefficient	<u>2.91</u>	
q. Skewness	<u>3.64</u>	
r. Standard Deviation (mm)		
s. Sediment Type	<u>Silt</u>	
t. Dominant Minerals (%)		
u. Secondary Minerals (%)		
v. Calcium Carbonate (%)	<u>15</u>	
w. Organic Carbon (%)		
15. REMARKS		

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CORE ANALYSIS SUMMARY SHEET ENGINEERING PROPERTIES

PRNC-NAVOCANO-3167/18 B (4-63)

ENGINEERING PROPERTIES

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ANALYZED BY Coleman

DATE Jan. 1967

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY ColemanDATE 23 January 1967

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1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. CORE LENGTH (cm)	7. TYPE CORE Shipok
2. LATITUDE <u>17° 33.7'</u>	" N			
3. LONGITUDE <u>107° 50.0'</u>	" E			
4. LABORATORY NUMBER	1.179			
5. SUBSAMPLE DEPTH IN CORE (cm)	0-3			
6. WATER DEPTH (m)	109.7	306'		
7. COLOR (GSA ROCK COLOR CHART) [FIELD <input checked="" type="checkbox"/> LAB DETERMINATION]	5Y4/1			
8. CORE PENETRATION (cm)				
9. ODOR				
10. LABORATORY NUMBER				
11. SIZE & COMPOSITION ANALYSIS				
a. > u	(mm) (%)			
b. .4 to .2	(mm) (%)	1		
c. .2 to .1	(mm) (%)	1		
d. .1 to .500	(mm) (%)	2		
e. .500 to .250	(mm) (%)	6		
f. .250 to .125	(mm) (%)	10		
g. .125 to .062	(mm) (%)	18		
h. .062 to .031	(mm) (%)			
i. .031 to .016	(mm) (%)	19		
j. .016 to .008	(mm) (%)			
k. .008 to .004	(mm) (%)	22		
l. .004 to .002	(mm) (%)			
m. .002 to .001	(mm) (%)	10		
n. < .001	(mm) (%)	10		
o. Median Diameter (mm)	.0254			
p. Sorting Coefficient	4.51			
q. Skewness	.789			
r. Standard Deviation (mm)				
s. Sediment Type	SILT			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	22			
w. Organic Carbon (%)				
15. REMARKS				

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY Coleman
 DATE Jan. 1967

062 - ?)

1. CRUISE NO.	4. SAMPLE NO.	E-10	7. TYPE CORER	Shipak
2. LATITUDE $17^{\circ} 40.2'$	N	5. DATE TAKEN (day, month, year)	2 Nov. 1966	10
3. LONGITUDE $107^{\circ} 57.9'$	E	6. WATER DEPTH (m)	84.1	8. CORE LENGTH (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6	9. CORER PENETRATION (cm)		
11. WET UNIT WEIGHT (g/cm^3)	1.800			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	42.32			
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(53)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL REMOULD (g/cm^2)				
23. COHESION NATURAL REMOULD (g/cm^2)				
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION ($^{\circ}$)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (cm)				
29. REMARKS				

Porosity calculated on an assumed 100% saturation.

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman

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DATE 23 January 1967

062-27

1. CRUISE NO.	4. SAMPLE NO.	E-10
2. LATITUDE <u>17° 40.2' N</u>	5. DATE TAKEN (DAY, MO., YR.)	
3. LONGITUDE <u>107° 57.9' E</u>	6. WATER DEPTH (m)	<u>84.1</u>
10. LABORATORY NUMBER	7. TYPE COFFER SHIP	
11. SUBSAMPLE DEPTH IN CORE (cm)	8. CORE LENGTH (cm)	
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	9. CORER PENETRATION (cm)	
13. 0008		
14. SIZE & COMPOSITION ANALYSIS		
a. > 4 mm (%)		
b. 4 to 2 mm (%)		
c. 2 to 1 mm (%)	1	
d. 1 to .500 mm (%)		
e. .500 to .250 mm (%)	9	
f. .250 to .125 mm (%)	17	
g. .125 to .062 mm (%)	16	
h. .062 to .031 mm (%)		
i. .031 to .016 mm (%)	21	
j. .016 to .003 mm (%)		
k. .008 to .004 mm (%)	12	
l. .004 to .002 mm (%)		
m. .002 to .001 mm (%)	10	
n. <.001 mm (%)	11	
o. Median Diameter (mm)	0.0458	
p. Sorting Coefficient	4.82	
q. Skewness	0.44	
r. Standard Deviation (mm)		
s. Sediment Type	Sandy mud	
t. Dominant Minerals (%)		
u. Secondary Minerals (%)		
v. Calcium Carbonate (%)	16	
w. Organic Carbon (%)		
15. REMARKS		

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE Jan. 1967

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062-78

1. CRUISE NO.	4. SAMPLE NO.	E-11	7. TYPE CORER	Shippek
2. LATITUDE 17 ° 42.2' N	5. DATE TAKEN (Day, month, year) 2 Nov. 1966		8. CORE LENGTH (cm) 10	
3. LONGITUDE 108 ° 10.3' E	6. WATER DEPTH (m) 84.1		9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6			
11. WET UNIT WEIGHT (g/cm³)	1.760			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	46.79			
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(58)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL (g/cm²) REMOULD (g/cm²)				
23. COHESION NATURAL (g/cm²) REMOULD (g/cm²)				
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (in)				
29. REMARKS	Porosity calculated on an assumed 100% saturation.			

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman
 DATE 23 January 1967

062-78

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE (CORER Shipek
2. LATITUDE <u>17° 42.2' N</u>	5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)
3. LONGITUDE <u>108° 10.3' E</u>	6. WATER DEPTH (m)	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	11. SUBSAMPLE DEPTH IN CORE (cm)	12. COLOR (GSA ROCK COLOR CHART)
	<u>1-181</u>	<u>5Y4/1</u>
	a. <input checked="" type="checkbox"/> FIELD <input type="checkbox"/> LAB DETERMINATION	b. <input type="checkbox"/>
	c. <input type="checkbox"/>	d. <input type="checkbox"/>
	e. <input type="checkbox"/>	f. <input type="checkbox"/>
	g. <input type="checkbox"/>	h. <input type="checkbox"/>
	i. <input type="checkbox"/>	j. <input type="checkbox"/>
	k. <input type="checkbox"/>	l. <input type="checkbox"/>
	m. <input type="checkbox"/>	n. <input type="checkbox"/>
	o. <input type="checkbox"/>	p. <input type="checkbox"/>
	q. <input type="checkbox"/>	r. <input type="checkbox"/>
	s. <input type="checkbox"/>	t. <input type="checkbox"/>
	u. <input type="checkbox"/>	v. <input type="checkbox"/>
	w. <input type="checkbox"/>	x. <input type="checkbox"/>
	y. <input type="checkbox"/>	z. <input type="checkbox"/>
	15. REMARKS	
14. SIZE & COMPOSITION ANALYSIS		
a. > 4 mm (%)		
b. 4 to 2 mm (%)		
c. 2 to 1 mm (%)	Tr.	
d. 1 to .500 mm (%)	Tr.	
e. .500 to .250 mm (%)	2	
f. .250 to .125 mm (%)	12	
g. .125 to .062 mm (%)	21	
h. .062 to .031 mm (%)		
i. .031 to .016 mm (%)	22	
j. .016 to .008 mm (%)		
k. .008 to .004 mm (%)	12	
l. .004 to .002 mm (%)		
m. .002 to .001 mm (%)		
n. < .001 mm (%)	16	
o. Median Diameter (mm)	0.022 ₄	
p. Sorting Coefficient	6.07	
q. Skewness	0.35	
r. Standard Deviation (mm)		
s. Sediment Type	sandy mud	
t. Dominant Minerals (%)		
u. Secondary Minerals (%)		
v. Calcium Carbonate (%)	17	
w. Organic Carbon (%)		

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CORE ANALYSIS SUMMARY SHEET ENGINEERING PROPERTIES

PRNC-NAVOCEANO-3167/18 B (4-63)

ANALYZED BY Coleman

DATE Jan. 1967

062-78

Porosity calculated on an assumed 100% saturation.

PRNC-NAVOCETO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 23 January 1967

062-78

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
2. LATITUDE <u>17° 54.4' N</u>	E-12	"	"	Shippek	"	"
3. LONGITUDE <u>108° 12.8' E</u>						
10. LABORATORY NUMBER	1-182					
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3					
12. COLOR (GSA ROCK COLOR CHART) <u>EFFIELD</u> <input checked="" type="checkbox"/> LAB DETERMINATION	5Y4/1					
13. COLOR						
14. SIZE & COMPOSITION ANALYSIS						
a. <u>></u> 4 mm (%)						
b. 4 to 2 mm (%)						
c. 2 to 1 mm (%)				Tr.		
d. 1 to .500 mm (%)				Tr.		
e. .500 to .250 mm (%)				1		
f. .250 to .125 mm (%)				12		
g. .125 to .062 mm (%)				19		
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)				26		
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)				17		
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)				13		
n. <.001 mm (%)				10		
o. Median Diameter (mm)	0.0229					
p. Sorting Coefficient	4.22					
q. Skewness	660					
r. Standard Deviation (mm)						
s. Sediment Type <u>SILT</u>						
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)	12					
w. Organic Carbon (%)						
15. REMARKS						

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE Jan 1967

326062-78

1. CRUISE NO.	4.	SAMPLE NO.	E - 13	7. TYPE CORER	Shipak
2. LATITUDE	17 ° 49.0'	N	5. DATE TAKEN (day, month, year)	2 Nov 1966	8. CORE LENGTH (cm)
3. LONGITUDE	108 ° 20.3'	E	6. WATER DEPTH (m)	95	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6				
11. WET UNIT WEIGHT (g/cm³)	1.810				
12. SPECIFIC GRAVITY OF SOLIDS					
13. WATER CONTENT (% dry weight)	41.08				
14. VOID RATIO					
15. SATURATED VOID RATIO					
16. POROSITY (%)	(53)				
17. LIQUID LIMIT					
18. PLASTIC LIMIT					
19. PLASTICITY INDEX					
20. LIQUIDITY INDEX					
21. COMPRESSION INDEX FROM LL					
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm²)				
23. COHESION NATURAL REMOULD	(g/cm²)				
24. SENSITIVITY					
25. ANGLE OF INTERNAL FRICTION (°)					
26. ACTIVITY					
27. MODULUS OF ELASTICITY					
28. SLUMP (%)					
29. REMARKS	Porosity calculated on an assumed 100% saturation.				

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman
 DATE Jan 1967

060-78

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE COATER	8. SHIPPEK
2. LATITUDE	5. DATE TAKEN (DAY, MO., YR.)	9. CORE LENGTH (cm)	
3. LONGITUDE	6. WATER DEPTH (m)		
17° 49.0' N		95	
108° 20.3' E			
10. LABORATORY NUMBER	1-183		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3		
12. COLOR (GSA ROCK COLOR CHART)	5Y4/1		
13. FIELD <input checked="" type="checkbox"/> LAB DETERMINATION			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. 4 to 2 mm (%)			
c. 2 to 1 mm (%)			
d. 1 to .500 mm (%)		Tr.	
e. .500 to .250 mm (%)		1	
f. .250 to .125 mm (%)		7	
g. .125 to .062 mm (%)		36	
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)		29	
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%)		12	
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)		8	
n. <.001 mm (%)		6	
o. Median Diameter (mm)	0.0448		
p. Sorting Coefficient	2.34		
q. Skewness	• 559		
r. Standard Deviation (mm)		Sandy	
s. Sediment Type		Mud	
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	12		
w. Organic Carbon (%)			
15. REMARKS			

PRNC-NAVOCEANO-3167/18 B (4-63)

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE Jan. 1967

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1. CRUISE NO.	4. SAMPLE NO.	E-14	7. TYPE CORER	Shippek
2. LATITUDE 17 ° 50.4' N	5. DATE TAKEN (day, month, year)	2 Nov. 1966	8. CORE LENGTH (cm)	10
3. LONGITUDE 108 ° 11.0' E	6. WATER DEPTH (m)	82.3	9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6			
11. WET UNIT WEIGHT (g/cm^3)	1.854			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	36.75			
14. VOID RATIO	.			
15. SATURATED VOID RATIO				
16. POROSITY (%)	(50)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX	.			
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL REMOULD (kg/cm^2)	(kg/cm^2)			
23. COHESION NATURAL REMOULD (kg/cm^2)	(kg/cm^2)			
24. SENSITIVITY	.			
25. ANGLE OF INTERNAL FRICTION (\circ)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (%)				
29. REMARKS	Porosity calculated on an assumed 100% saturation.			

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 20 January 1967062-78

1. CRUISE NO.	4. SAMPLE NO. <u>B-14</u>		5. DATE TAKEN (DAY, MO., YR.)	2 Nov. 1966	6. CORE LENGTH (cm)	17			
2. LATITUDE <u>17° 50.4'</u>	" N		6. WATER DEPTH (m)	82.3	7. CORE PENETRATION (cm)	270*			
3. LONGITUDE <u>108° 21.0'</u>	" E		8. CORE LENGTH (cm)		9. CORE PENETRATION (cm)				
10. LABORATORY NUMBER	<u>1-90</u>		11. SUBSAMPLE DEPTH IN CORE (cm)	<u>0-3</u>	12. COLOR (GSA ROCK COLOR CHART) FIELD <u>L</u> LAB DETERMINATION <u>5YR4/1</u>	<u>12-17</u>			
12. REMARKS			13. ODOOR						
14. SIZE & COMPOSITION ANALYSIS									
a. > 4 mm (%)									
b. 4 to 2 mm (%)									
c. 2 to 1 mm (%)									
d. 1 to .500 mm (%)									
e. .500 to .250 mm (%)									
f. .250 to .125 mm (%)									
g. .125 to .062 mm (%)									
h. .062 to .031 mm (%)									
i. .031 to .016 mm (%)									
j. .016 to .008 mm (%)									
k. .008 to .004 mm (%)									
l. .004 to .002 mm (%)									
m. .002 to .001 mm (%)									
n. <.001 mm (%)									
o. Median Diameter (mm)									
p. Sorting Coefficient									
q. Skewness									
r. Standard Deviation (mm)									
s. Sediment Type									
t. Dominant Minerals (%)									
u. Secondary Minerals (%)									
v. Calcium Carbonate (%)									
w. Organic Carbon (%)									
15. REMARKS :Clay 1t. blueish gray, (5B4/1)									

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE Jan. 1966

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⑥2-78

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (day, month, year)	6. CORE LENGTH (cm)	7. TYPE CORER	Shipek
2. LATITUDE 17° 57.1' N	E-15	2. Nov. 1966	10		
3. LONGITUDE 108° 18.5' E		6. WATER DEPTH (m)	82.3	8. CORE PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6				
11. WET UNIT WEIGHT (g/cm³)	1.885				
12. SPECIFIC GRAVITY OF SOLIDS					
13. WATER CONTENT (% dry weight)	35.59				
14. VOID RATIO					
15. SATURATED VOID RATIO					
16. POROSITY (%)	(50)				
17. LIQUID LIMIT					
18. PLASTIC LIMIT					
19. PLASTICITY INDEX					
20. LIQUIDITY INDEX					
21. COMPRESSION INDEX FROM LL					
22. COMPRESSIVE STRENGTH NATURAL REMOVED (g/cm²)					
23. COHESION NATURAL REMOVED (g/cm²)					
24. SENSITIVITY					
25. ANGLE OF INTERNAL FRICTION (°)					
26. ACTIVITY					
27. MODULUS OF ELASTICITY					
28. SLUMP (%)					
29. REMARKS					

Porosity calculated on an assumed 100% saturation.

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY ColemanDATE 20 January 1967E-15

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER	Phleger
2. LATITUDE <u>17° 57.1'</u>	" N	2 Nov. 1966	82.3	8. CORE LENGTH (cm)	35
3. LONGITUDE <u>108° 18.5'</u>	" E			9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER	1-92	1-93			
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	30-36			
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	SGY4/15GY4/1				
13. ODOR					
14. SIZE & COMPOSITION ANALYSIS					
a. \geq 4	(mm) (%)	2			
b. .4 to .2	(mm) (%)	1	1		
c. .2 to .1	(mm) (%)	1	2		
d. .1 to .050	(mm) (%)	1	2		
e. .050 to .0250	(mm) (%)	6	2		
f. .0250 to .0125	(mm) (%)	18	11		
g. .0125 to .062	(mm) (%)	23	20		
h. .062 to .031	(mm) (%)				
i. .031 to .016	(mm) (%)	17	26		
j. .016 to .008	(mm) (%)				
k. .008 to .004	(mm) (%)	15	9		
l. .004 to .002	(mm) (%)				
m. .002 to .001	(mm) (%)	3	11		
n. \leq .001	(mm) (%)	15	15		
o. Median Diameter (mm)		• 0583	• 0324		
p. Sorting Coefficient		4.66	5.21		
q. Skewness		.225	.336		
r. Standard Deviation (mm)					
s. Sediment Type		SILTY SILTY SAND SAND			
t. Dominant Minerals (%)					
u. Secondary Minerals (%)					
v. Calcium Carbonate (%)	11	11			
w. Organic Carbon (%)					
15. REMARKS					

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY Coleman
DATE 23 January 1967

062-78

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER SHIP/EX
2. LATITUDE <u>17° 57.1' N</u>	5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)
3. LONGITUDE <u>108° 218.5' E</u>	6. WATER DEPTH (m)	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	1-185!	
11. SUBSAMPLE DEPTH IN CORE (cm)	0-2	
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5Y4/1	
13. ODOR		
14. SIZE & COMPOSITION ANALYSIS		
a. > 4 mm (%)		
b. 4 to 2 mm (%)		
c. 2 to 1 mm (%)	Tr.	
d. 1 to .500 mm (%)	Tr.	
e. .500 to .250 mm (%)	3	
f. .250 to .125 mm (%)	17	
g. .125 to .062 mm (%)	27	
h. .062 to .031 mm (%)		
i. .031 to .016 mm (%)	25	
j. .016 to .008 mm (%)		
k. .008 to .004 mm (%)	11	
l. .004 to .002 mm (%)		
m. .002 to .001 mm (%)	9	
n. < .001 mm (%)	7	
o. Median Diameter (mm)	0.0508	
p. Sorting Coefficient	3.06	
q. Skewness	4.39	
r. Standard Deviation (mm)		
s. Sediment Type	SILTY Sand	
t. Dominant Minerals (%)		
u. Secondary Minerals (%)		
v. Calcium Carbonate (%)	12	
w. Organic Carbon (%)		
x. REMARKS		

PRNC-NAVOCEANO-3167/18 B (4-63)

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY ColemanDATE 23 Jan. 1967

062-78

1. CRUISE NO.	4. SAMPLE NO.	F-16	7. TYPE CORER Shipek
2. LATITUDE	5. DATE TAKEN (day, month, year)	2 Nov. 1966	B. CORE LENGTH (cm)
3. LONGITUDE	6. WATER DEPTH (m)	84.1	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6		
11. WET UNIT WEIGHT (g/cm ³)	1.880		
12. SPECIFIC GRAVITY OF SOLIDS			
13. WATER CONTENT (% dry weight)	35.02		
14. VOID RATIO			
15. SATURATED VOID RATIO			
16. POROSITY (%)	(49)		
17. LIQUID LIMIT			
18. PLASTIC LIMIT			
19. PLASTICITY INDEX			
20. LIQUIDITY INDEX			
21. COMPRESSION INDEX FROM LL			
22. COMPRESSIVE STRENGTH NATURAL REMOULD (g/cm ²)			
23. COHESION NATURAL REMOULD (g/cm ²)			
24. SENSITIVITY			
25. ANGLE OF INTERNAL FRICTION (°)			
26. ACTIVITY			
27. MODULUS OF ELASTICITY			
28. SLUMP (%)			
29. REMARKS	Porosity calculated on an assumed 100% saturation.		

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PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY ColemanDATE 21 January 1967062-28

1. CRUISE NO.	4. SAMPLE NO.		7. TYPE CORE PHLEGER	
2. LATITUDE $17^{\circ} 22.8'$	" N	5. DATE TAKEN (DAY, MO., YR.)	2 Nov.	1966
3. LONGITUDE $108^{\circ} 33.4'$	" E	6. WATER DEPTH (m)	84.1	
10. LABORATORY NUMBER	1-94	1-95		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	22-28		
12. COLOR (G.A. ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION				
13. ODOR				
14. SITE & COMPOSITION ANALYSIS				
a. > 4 mm (%)				
b. 4 to 2 mm (%)				
c. 2 to 1 mm (%)				
d. 1 to .500 mm (%)				
e. .500 to .250 mm (%)				
f. .250 to .125 mm (%)				
g. .125 to .062 mm (%)				
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)				
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)				
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)				
n. < .001 mm (%)				
o. Median Diameter (mm)	.0442	.0490		
p. Sorting Coefficient	2.74	2.64		
q. Skewness	.465	.378		
r. Standard Deviation (mm)				
s. Sediment Type	SILTY SILTY SANDY SANDY			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	9	10		
w. Organic Carbon (%)				
x. REMARKS				

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

Cruise No. 062-78

ANALYZED BY Coleman

DATE 23 January 1967

M 09005026

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Shidek
2. LATITUDE 17° 22.8'	5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)	
3. LONGITUDE 108° 33.4'	6. WATER DEPTH (m) 84.0	9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER	1-186		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3		
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5YR4/1		
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. 4 to 2 mm (%)			
c. 2 to 1 mm (%) Tr.			
d. 1 to .500 mm (%) Tr.			
e. .500 to .250 mm (%) 2			
f. .250 to .125 mm (%) 11			
g. .125 to .062 mm (%) 36			
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%) 27			
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%) 7			
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%) 7			
n. < .001 mm (%) 9			
o. Median Diameter (mm)	.0583		
p. Sorting Coefficient	2.30		
q. Skewness	• 434		
r. Standard Deviation (mm)			
s. Sediment Type	SILTY SAND		
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	9		
w. Organic Carbon (%)			
15. REMARKS			

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

320

ANALYZED BY ColemanDATE 23 Jan. 1966

060-78

	1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO.	E-17	5. DATE TAKEN (Day, month, year)	3 Nov. 1966	7. TYPE CORER	Shipek
10.	SUBSAMPLE DEPTH IN CORE (cm)	0-6						8. CORE LENGTH (cm)	10
11.	WET UNIT WEIGHT (g/cm^3)			1.874				9. CORER PENETRATION (cm)	
12.	SPECIFIC GRAVITY OF SOLIDS								
13.	WATER CONTENT (% dry weight)	91.28							
14.	VOID RATIO								
15.	SATURATED VOID RATIO								
16.	POROSITY (%)			(89)					
17.	LIQUID LIMIT								
18.	PLASTIC LIMIT								
19.	PLASTICITY INDEX								
20.	LIQUIDITY INDEX								
21.	COMPRESSION INDEX FROM LL								
22.	COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm^2)	(g/cm^2)						
23.	COHESION NATURAL REMOULD	(g/cm^2)	(g/cm^2)						
24.	SENSITIVITY								
25.	ANGLE OF INTERNAL FRICTION ($^\circ$)								
26.	ACTIVITY								
27.	MODULUS OF ELASTICITY								
28.	SLUMP (%)								
29.	REMARKS								

Porosity calculated on an assumed 100% saturation.

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

062-78

ANALYZED BY ColemanDATE 21 January 1967

1. CRUISE NO.	4. SAMPLE NO. E-17		7. TYPE CORER Phleger
2. LATITUDE 17° 30.7'	" N	5. DATE TAKEN (DAY, MO., YR.) 3 Nov. 1966	8. CORE LENGTH (cm) 44
3. LONGITUDE 108° 26.7'	" E	6. WATER DEPTH (m) 80.8	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	1-96	1-97	
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	38-44	
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	GYR4/16 GY4/1		
13. OCCR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. 4 to 2 mm (%)			
c. 2 to 1 mm (%)			
d. 1 to .500 mm (%)	1	1	
e. .500 to .250 mm (%)	1	2	
f. .250 to .125 mm (%)	3	8	
g. .125 to .062 mm (%)	12	23	
h. .062 to .031 mm (%)	2.8	23	
i. .031 to .016 mm (%)	23	35	
j. .016 to .008 mm (%)	23	8	
k. .008 to .004 mm (%)	13	8	
l. .004 to .002 mm (%)	9	10	
m. < .002 mm (%)	11	14	
n. Median Diameter (mm)	.0398	.0292	
o. Standard Deviation (mm)	4.07	3.78	
p. Sorting Coefficient	31.8	45.3	
q. Skewness			
r. Dominant Minerals (%)			
s. Secondary Minerals (%)			
t. Calcium Carbonate (%)	12	14	
u. Organic Carbon (%)			
v. REMARKS			

Grab Sample E-176
PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman

DATE 23 January 1967

• 060-28

370

1. CRUISE NO.	4. SAMPLE NO.	E17	7. TYPE CORER Shipok
2. LATITUDE	5. DATE TAKEN (DAY, MO., YR.)	"	8. CORE LENGTH (cm)
3. LONGITUDE	6. WATER DEPTH (m)	80.8	9. CORE PENETRATION (cm)
10. LABORATORY NUMBER	11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	
12. COLOR (GSA ROCK COLOR CHART) REF FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5Y4/1		
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. .4 to .2 mm (%)			
c. .2 to .1 mm (%)			
d. .1 to .500 mm (%)			
e. .500 to .250 mm (%)			
f. .250 to .125 mm (%)			
g. .125 to .062 mm (%)			
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)			
j. .016 to .003 mm (%)			
k. .008 to .004 mm (%)			
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)			
n. <.001 mm (%)			
o. Median Diameter (mm)	0.0458		
p. Sorting Coefficient	2.78		
q. Skewness	.563		
r. Standard Deviation (mm)			
s. Sediment Type	SANDY SILT		
t. Dominant Minerals (g)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	13		
w. Organic Carbon (%)			
15. REMARKS			

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman

DATE 23 Jan. 1967

060-78

370

1. CRUISE NO.	4. SAMPLE NO.	E-18	7. TYPE CORER	Shipek
2. LATITUDE	5. DATE TAKEN (Day, month, year)	3 Nov. 1966	8. CORE LENGTH (cm)	10
3. LONGITUDE	6. WATER DEPTH (m)	84.1	9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6			
11. WET UNIT WEIGHT (g/cm ³)	1.760			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	52.22			
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(65)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL (g/cm ²)				
REMOULD (g/cm ²)				
23. COHESION NATURAL (g/cm ²)				
REMOULD (g/cm ²)				
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (ϕ)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (in.)				
29. REMARKS	Porosity calculated on an assumed 100% saturation.			

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITIONANALYZED BY ColemanDATE 21 January 1967062-26

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORE
2. LATITUDE 17° 39.2'	N	E-18
3. LONGITUDE 108° 17.0'	E	8. CORE LENGTH (cm) 45
10. LABORATORY NUMBER	1-99.1-100	9. CORER PENETRATION (cm)
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3 .40-.45	
12. COLOR (GSK ROCK COLOR CHART) <u>FIELD</u> <u>LAB DETERMINATION</u>	SYR4/15GY4/1	
13. CORE		
14. SIZE & COMPOSITION ANALYSIS		
a. 2-4 mm (%)	1	
b. 4 to 2 mm (%)	4	
c. 2 to 1 mm (%)	1	
d. 1 to .500 mm (%)	4	
e. .500 to .250 mm (%)	6	
f. .250 to .125 mm (%)	10	
g. .125 to .062 mm (%)	19	
h. .062 to .031 mm (%)	10	
i. .031 to .016 mm (%)	24	
j. .016 to .008 mm (%)	21	
k. .008 to .004 mm (%)	11	
l. .004 to .002 mm (%)	18	
m. .002 to .001 mm (%)	12	
n. .001 mm (%)	14	
o. Median Diameter (mm)	.0324	.0073
p. Sorting Coefficient	5.10	6.54
q. Skewness	• 377	.650
r. Standard Deviation (mm)		
s. Sediment Type.	Stony	Stony
t. Dominant Minerals (%)		
u. Secondary Minerals (%)		
v. Calcium Carbonate (%)	1.8	9
w. Organic Carbon (%)		
15. REMARKS		

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PRNCNAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY ColemanDATE 23 January 1967

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062-76

1. CRUISE NO.	5. SAMPLE NO.		7. TYPE CORER Shipek	
2. LATITUDE	17° 39.2' N	3. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm)	
3. LONGITUDE	108° 17.0' E	4. WATER DEPTH (m.)	9. CORER PENETRATION (cm)	
10. LABORATORY NUMBER	1-188			
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3			
12. COLOR (GSA ROCK COLOR CHART) REFIELD [] LAB. DETERMINATION	SY4/1			
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a.	> 4 mm.	(%)		
b. 4 to 2 mm.	(%)			
c. 2 to 1 mm.	(%)			
d. 1 to .500 mm.	(%)			
e. .500 to .250 mm.	(%)			
f. .250 to .125 mm.	(%)			
g. .125 to .062 mm.	(%)			
h. .062 to .031 mm.	(%)			
i. .031 to .016 mm.	(%)			
j. .016 to .008 mm.	(%)			
k. .008 to .004 mm.	(%)			
l. .004 to .002 mm.	(%)			
m. .002 to .001 mm.	(%)			
n. < .001 mm.	(%)			
o. Median Diameter (mm.)	0.0266			
p. Sorting Coefficient	4.21			
q. Skewness	0.44			
r. Standard Deviation (mm.)				
s. Sediment Type	SANDY SILTY			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	13			
w. Organic Carbon (%)				
15. REMARKS				

MCG 09005026

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PRNC-NAVOCEANO-3167/18 B (4-63)

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE 23 Jan. 1967

062-75

1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO.	5. DATE TAKEN (day, month, year)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)	Shipper
17 °43.1'	N	E	E-19	3 Nov. 1966	45.7				
108 °16.5'									
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6								
11. WET UNIT WEIGHT (g/cm³)	1.761								
12. SPECIFIC GRAVITY OF SOLIDS									
13. WATER CONTENT (% dry weight)	50.84								
14. VOID RATIO									
15. SATURATED VOID RATIO									
16. POROSITY (%)	(59)								
17. LIQUID LIMIT									
18. PLASTIC LIMIT									
19. PLASTICITY INDEX									
20. LIQUIDITY INDEX									
21. COMPRESSION INDEX FROM LL									
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)									
	REMOULD (g/cm²)								
23. COHESION NATURAL (g/cm²)									
	REMOULD (g/cm²)								
24. SENSITIVITY									
25. ANGLE OF INTERNAL FRICTION (°)									
26. ACTIVITY									
27. MODULUS OF ELASTICITY									
28. SLUMP (%)									
29. REMARKS	Porosity calculated on an assumed 100% saturation.								

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PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

Commentary

DATE 21 January 1967
ANALYZED BY: _____

062-28-

1. CRUISE NO.		4. SAMPLE NO.		5. DATE TAKEN (DAY, MO., YR.)		6. CORE LENGTH (cm)		7. TYPE CORE		Phleger	
2. LATITUDE	° 43.1'	4. N	" E	3 Nov.	1966	86.0	"	39	"		
3. LONGITUDE		° 16.5'	"	6. WATER DEPTH (m)	86.0	9. CORE PENETRATION (cm)					
10. LABORATORY NO.	105	11. SUBSAMPLE DEPTH IN CORE (cm)	"	1-101	1-102						
11. COLOR (GSA ROCK COLOR CHART)	0-3	12. COLOR (GSA ROCK COLOR CHART)	32-39	SYR4/15GY4/1							
13. OOCR											
14. SIZE & COMPOSITION ANALYSIS											
15. > 4 mm (mm) (%)		16. 4 to 2 mm (%)		17. 2 to 1 mm (%)		18. 1 to .500 mm (%)		19. .500 to .250 mm (%)		20. .250 to .125 mm (%)	
c.	2	c.	Trace	c.	Trace	c.	Trace	e.	500	f.	125
d.	1	d.	Tr.	d.	Tr.	d.	Tr.	g.	125	g.	62
e.	.1	e.	500	e.	500	e.	500	h.	.062	h.	.031
f.	.1	f.	125	f.	125	f.	125	i.	.031	i.	.016
g.	.1	g.	62	g.	62	g.	62	j.	.016	j.	.008
h.	.1	h.	31	h.	31	h.	31	k.	.008	k.	.004
i.	.1	i.	27	i.	27	i.	27	l.	.004	l.	.002
j.	.1	j.	33	j.	33	j.	33	m.	.002	m.	.001
k.	.1	k.	13	k.	13	k.	13	n.	.001	n.	.001
l.	.1	o.	12	o.	12	o.	12	o.	.0544	o.	.0292
m.	.1	p.	2.71	p.	2.71	p.	2.71	p.	.342	p.	.342
n.	.1	q.	.731	q.	.731	q.	.731	q.	.586	q.	.586
o.	.1	r.	•	r.	•	r.	•	r.	•	r.	•
p.	.1	s.	Stand	s.	Stand	s.	Stand	s.	Stand	s.	Stand
q.	.1	t.	Dominant Minerals (%)	t.	Dominant Minerals (%)	t.	Dominant Minerals (%)	u.	Secondary Minerals (%)	u.	Secondary Minerals (%)
r.	.1	v.	Calcareous	v.	Calcareous	v.	Calcareous	w.	Organic Carbon (%)	w.	Organic Carbon (%)
s.	.1	x.	14	x.	14	x.	14	y.	16	y.	16
t.	.1	z.	REMARKS	z.	REMARKS	z.	REMARKS	z.	REMARKS	z.	REMARKS

PRNCNAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

062-78

ANALYZED BY Colemen

DATE 23 January 1967

1. CRUISE NO.	4. SAMPLE NO. E19	5. DATE TAKEN (DAY, MO., YR.)	6. CORE LENGTH (cm)	7. TYPE CORER Shipek
2. LATITUDE 17° 43.1'	" N			
3. LONGITUDE 108° 16.5'	" E			
10. LABORATORY NUMBER	11-189			
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3			
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	SY4/1			
13. OSOR				
14. SIZE & COMPOSITION ANALYSIS				
a. 2' to 4' (mm) (%)				
b. .4 to .2 (mm) (%)				
c. .2 to .1 mm (%) Tr.				
d. .1 to .00 mm (%)				
e. .500 to .250 mm (%)				
f. .250 to .125 mm (%)				
g. .125 to .062 mm (%)				
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)				
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)				
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)				
n. <.001 mm (%)				
o. Median Diameter (mm)	0.0340			
p. Sorting Coefficient	4.50			
q. Skewness	.353			
r. Standard Deviation (mm)				
s. Sediment Type	Silty Sand			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	11			
w. Organic Carbon (%)				
15. REMARKS				

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY ColemanDATE 21 January 1967062-76370

1. CRUISE NO.	E-20		7. TYPE CORER	Paleiger
2. LATITUDE	17° 34' 8"	N	5. DATE TAKEN (DAY, MO., YR.)	3 Nov. 1966
3. LONGITUDE	108° 08' 5"	E	6. WATER DEPTH (m)	80.5
10. LABORATORY NUMBER	1-103 1-104		8. CORE LENGTH (cm)	26
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	20-25	9. CORE PENETRATION (cm)	
12. COLOR (GSA ROCK COLOR CHART) REFFIELD <input checked="" type="checkbox"/> LAB DETERMINATION	SYR4/15GY4/1			
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (%)				
b. 4 to 2 mm (%)				
c. 2 to 1 mm (%)				
d. 1 to .500 mm (%)				
e. .500 to .250 mm (%)				
f. .250 to .125 mm (%)				
g. .125 to .062 mm (%)				
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)				
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)				
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)				
n. <.001 mm (%)				
o. Median Diameter (mm)	.0412			
p. Sorting Coefficient	3.14	4.28		
q. Skewness	.705			
r. Standard Deviation (mm)	.712			
s. Sediment Type	Sandy Silt			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	17	20		
w. Organic Carbon (%)				
15. REMARKS				

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY COLEMAN

DATE 01 NOVEMBER 1967

0.62 - 78

E121 7. TYPE CORER Phleger

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phreatic	
2. LATITUDE	17° 24'.8"	N	5. DATE TAKEN (DAY, MO., YR.)	3 Nov. 1966
3. LONGITUDE	108° 08'.4"	E	6. WATER DEPTH (m)	91.4
10. LABORATORY NUMBER	1-105	1-106	8. CORE LENGTH (cm)	25
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	20-25	9. CORER PENETRATION (cm)	
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	5YR4/15GY4/1			
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
	> 4 mm (%)	to 2 mm (%)	5 mm (%)	
a.	0-4	to 1 mm (%)	3 Tr.	
b.	1-2	to .500 mm (%)	3 Tr.	
c.	.1-1	to .250 mm (%)	6 Tr.	
d.	.050-1	to .125 mm (%)	12	3
e.	.025-1	to .062 mm (%)	19	7
f.	.0125-1	to .031 mm (%)		
g.	.0062-1	to .016 mm (%)	27	36
h.	.0031-1	to .008 mm (%)		
i.	.0016-1	to .004 mm (%)	14	18
j.	.0008-1	to .002 mm (%)		
k.	.0004-1	to .001 mm (%)	7	14
l.	.0002-1	to .001 mm (%)	4	12
m.	.0001-1	mm (%)		
n.				
o.	Median Diameter (mm)	0.544	0.118	
p.	Sorting Coefficient	3.14	4.56	
q.	Skewness	.811	.294	
r.	Standard Deviation (mm)			
s.	Sediment Type	silty sand		
t.	Dominant Minerals (%)			
u.	Secondary Minerals (%)			
v.	Calcium Carbonate (%)	24	11	
w.	Organic Carbon (%)			
15. REMARKS				

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE 21 January 1967

O62-28

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORE	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)	Phleger
2. LATITUDE 17° 14'.8"	" N	Nov. 13	82.3				
3. LONGITUDE 108° 06'.7"	" E						
10. LABORATORY NUMBER	1-1071-108						
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	24-29					
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	GYR4/15GY4/1						
13. ODOR							
14. SIZE & COMPOSITION ANALYSIS							
a. > 4 mm (%)							
b. .4 to .2 mm (%)							
c. .2 to .1 mm (%)							
d. .1 to .050 mm (%)							
e. .050 to .250 mm (%)							
f. .250 to .125 mm (%)							
g. .125 to .062 mm (%)							
h. .062 to .031 mm (%)							
i. .031 to .016 mm (%)							
j. .016 to .008 mm (%)							
k. .008 to .004 mm (%)							
l. .004 to .002 mm (%)							
m. .002 to .001 mm (%)							
n. < .001 mm (%)							
o. Median Diameter (mm)	0.693	0.825					
p. Sorting Coefficient	3.03	2.88					
q. Skewness	4.66	4.49					
r. Standard Deviation (mm)							
s. Sediment Type	SILTY SANDY						
t. Dominant Minerals (%)							
u. Secondary Minerals (%)							
v. Calcium Carbonate (%)	18	19					
w. Organic Carbon (%)							
15. REMARKS							

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

PRNC-NAVOCANO-3167/18 A (4-63)

SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE 21 January 1967

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman

DATE 21 January 1967

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1. CRUISE NO.		4. SAMPLE NO.		E-26		7. TYPE CORER Phleger	
2. LATITUDE	17° 47.7'	"	N	5. DATE TAKEN (DAY, MO., YR.)	14 Nov. 1966	8. CORE LENGTH (cm)	22
3. LONGITUDE	108° 20.0'	"	E	6. WATER DEPTH (m.)	109.7	9. CORE PENETRATION (cm)	
10. LABORATORY NUMBER	1-1111-112						
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	18-22					
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	SYR4/15GY4/1						
13. ODOR							
14. SIZE & COMPOSITION ANALYSIS							
a.	> 4	(mm)	(%)				
b. 4 to 2	(mm)	(%)					
c. 2 to 1	(mm)	(%)	1	1			
d. 1 to .500	(mm)	(%)	1	2			
e. .500 to .250	(mm)	(%)	9	6			
f. .250 to .125	(mm)	(%)	35	33			
g. .125 to .062	(mm)	(%)	15	15			
h. .062 to .031	(mm)	(%)					
i. .031 to .016	(mm)	(%)	16	19			
j. .016 to .008	(mm)	(%)					
k. .008 to .004	(mm)	(%)	9	9			
l. .004 to .002	(mm)	(%)					
m. .002 to .001	(mm)	(%)	7	6			
n. < .001	(mm)	(%)	7	9			
o. Median Diameter (mm)			.1015	.0825			
p. Sorting Coefficient			2.95	3.14			
q. Skewness			.312	.379			
r. Standard Deviation (mm)							
s. Sediment Type							
t. Dominant Minerals (%)							
u. Secondary Minerals (%)							
v. Calcium Carbonate (%)	11	12					
w. Organic Carbon (%)							
x. REMARKS							

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PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman

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DATE January 1967

062-78

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger
2. LATITUDE $12^{\circ} 48.2' N$	5. DATE TAKEN (DAY, MO., YR.)	6. CORE LENGTH (cm)	23
3. LONGITUDE $108^{\circ} 13.3' E$	6. WATER DEPTH (m)	89.6	
10. LABORATORY NUMBER	1-113 1-114		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3 18-23		
12. COLOR (GSA ROCK COLOR CHART) [FIELD & LAB DETERMINATION]	SYR4/25GY4/1		
13. ODOR			
14. SITE & COMPOSITION ANALYSIS			
a. $\geq .4$ mm (%)			
b. .4 to .2 mm (%)			9%
c. .2 to .1 mm (%)		2	2
d. .1 to .050 mm (%)		2	1
e. .050 to .025 mm (%)		8	5
f. .025 to .0125 mm (%)		28	24
g. .0125 to .0062 mm (%)		16	11
h. .0062 to .0031 mm (%)			
i. .0031 to .0016 mm (%)		16	15
j. .0016 to .0008 mm (%)			
k. .008 to .004 mm (%)		11	11
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)		3	9
n. $< .001$ mm (%)		9	11
o. Median Diameter (mm)	.0797	.0693	
p. Sorting Coefficient	4.13	5.18	
q. Skewness	.249	.259	
r. Standard Deviation (mm)			
s. Sediment Type	SILTY SAND		
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	11	8	
w. Organic Carbon (%)			
15. REMARKS			

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman

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DATE January 1967

O 62 - 78

1. CRUISE NO.	4. SAMPLE NO.		7. TYPE CORED Phleger	
2. LATITUDE 17° 48.5' N	"	"	5. DATE TAKEN (DAY, MO., YR.)	4 Nov. 1966
3. LONGITUDE 108° 07.3' E	"	"	6. WATER DEPTH (m)	87.8
10. LABORATORY NUMBER	1-115	1-116	8. CORE LENGTH (cm)	44
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	38-44	9. CORE PENETRATION (cm)	
12. COLOR (GSA ROCK COLOR CHART) [FIELD] [LAB DETERMINATION]	SYR4/25GY4/1			
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (%)				
b. 4 to 2 mm (%)				
c. 2 to 1 mm (%)			1 Trace	
d. 1 to .500 mm (%)			1 Trace	
e. .500 to .250 mm (%)			2	1
f. .250 to .125 mm (%)			23	14
g. .125 to .062 mm (%)			16	6
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)			27	26
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)			13	17
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)			9	17
n. <.001 mm (%)			8	17
o. Median Diameter (mm)	.0313	.0141		
p. Sorting Coefficient	4.62	5.45		
q. Skewness	.763	.434		
r. Standard Deviation (mm)				
s. Sediment Type	Shaly clayey silt			
t. Dominant Minerals (%)	Sand			
u. Secondary Minerals (%)	-			
v. Calcium Carbonate (%)	13	10		
w. Organic Carbon (%)				
x. REMARKS				

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman

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062-77

DATE January 1967

1. CRUISE NO.	E-29		E-29		E-29		E-29		E-29		E-29		E-29		E-29		E-29		E-29		E-29		E-29		
2. LATITUDE	17° 56.3' N		5. DATE TAKEN (DAY, MO., YR.)	4 Nov. 1966	8. CORE LENGTH (cm)																				
3. LONGITUDE	107° 55.8' E		6. WATER DEPTH (m)	87.8	9. CORER PENETRATION (cm)																				
10. LABORATORY NUMBER	1-1171-118																								
11. SUBSAMPLE DEPTH IN CORE (cm)	0-31 19-21																								
12. COLOR (OSA ROCK COLOR CHART) FIELD LAB DETERMINATION	SYR4/25GY4/1																								
13. ODOR																									
14. SIZE & COMPOSITION ANALYSIS																									
a. > 4 mm (%)																									
b. 4 to 2 mm (%)																									
c. 2 to 1 mm (%)																									
d. 1 to .500 mm (%)																									
e. .500 to .250 mm (%)																									
f. .250 to .125 mm (%)																									
g. .125 to .062 mm (%)																									
h. .062 to .031 mm (%)																									
i. .031 to .016 mm (%)																									
j. .016 to .008 mm (%)																									
k. .008 to .004 mm (%)																									
l. .004 to .002 mm (%)																									
m. .002 to .001 mm (%)																									
n. < .001 mm (%)																									
o. Median Diameter (mm)																									
p. Sorting Coefficient																									
q. Skewness																									
r. Standard Deviation (mm)																									
s. Sediment Type	Sandy Silty Silt mud																								
t. Dominant Minerals (%)																									
u. Secondary Minerals (%)																									
v. Calcium Carbonate (%)																									
w. Organic Carbon (%)																									
x. REMARKS																									

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PRINCIPAL VOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY ColemanDATE January 1967062-77

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE COFFR Phleger
2. LATITUDE <u>17° 53.9' N</u>	5. DATE TAKEN (DAY, MO., YR.) <u>4 Nov. 1966</u>	8. CORE LENGTH (cm) <u>37</u>
3. LONGITUDE <u>107° 40.6' E</u>	6. WATER DEPTH (m) <u>76.8</u>	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER <u>1-119</u>	11. SUBSAMPLE DEPTH IN CORE (cm) <u>0-3</u>	12. COLOR (GSA ROCK COLOR CHART) <u>TYR4/25GY4/1</u>
13. ODFR	14. SIZE & COMPOSITION ANALYSIS	15. REMARKS
	a. > 4 mm (%) <u>2</u>	
b. .4 to .2 mm (%) <u>4</u>	c. .2 to 1 mm (%) <u>3</u>	
d. .1 to .50 mm (%) <u>5</u>	e. .50 to .250 mm (%) <u>2</u>	
f. .250 to .125 mm (%) <u>1</u>	g. .125 to .062 mm (%) <u>3</u>	
h. .062 to .031 mm (%) <u>5</u>	i. .031 to .016 mm (%) <u>31</u>	
j. .016 to .008 mm (%) <u>5</u>	k. .008 to .004 mm (%) <u>25</u>	
l. .004 to .002 mm (%) <u>23</u>	m. .002 to .001 mm (%) <u>34</u>	
n. < .001 mm (%) <u>18</u>	o. Median Diameter (mm) <u>21</u>	
p. Sorting Coefficient <u>.0066</u>	q. Skewness <u>.0076</u>	
r. Standard Deviation (mm) <u>.91</u>	s. Sediment Type <u>3.90</u>	
t. Dominant Minerals <u>.90</u>	u. Secondary Minerals (%) <u>.594</u>	
v. Calcium Carbonate (%) <u>13</u>	w. Organic Carbon (%) <u>.516</u>	
15. REMARKS		

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY COLEMAN

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062-77

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger
2. LATITUDE	17° 57.5' N	5. DATE TAKEN (DAY, MO., YR.)	14 Nov. 1966
3. LONGITUDE	107° 30.2' E	6. WATER DEPTH (m)	76.8
10. LABORATORY NUMBER	1-121	7. TYPE CORER	E31-A
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	8. CORE LENGTH (cm)	27
12. COLOR (GSA ROCK COLOR CHART)	SYR4/25GY4/1	9. CORE PENETRATION (cm)	
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. 7 4	(mm) (%)		
b. 4 to 2	(mm) (%)		
c. 2 to 1	mm (%)		
d. 1 to .500	mm (%)		
e. .500 to .250	mm (%)		
f. .250 to .125	mm (%)	Trace	Trace
g. .125 to .062	mm (%)		
h. .062 to .031	mm (%)		
i. .031 to .015	mm (%)		
j. .016 to .008	mm (%)		
k. .008 to .004	mm (%)		
l. .004 to .002	mm (%)		
m. .002 to .001	mm (%)		
n. < .001	mm (%)		
o. Median Diameter (mm)	.0040	.0039	
p. Sorting Coefficient	3.40	3.96	
q. Skewness	.873	.852	
r. Standard Deviation (mm)			
s. Sediment Type		Silvery clay	
t. Dominant Minerals	(%)		
u. Secondary Minerals	(%)		
v. Calcium Carbonate (%)	.14	20	
w. Organic Carbon (%)			
x. REMARKS			

PRNC-NAYOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

062-77

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)	Phleger
2. LATITUDE	17° 57'.5 "	" N					48
3. LONGITUDE	107° 30'.2 "	" E					
10. LABORATORY NUMBER	P1-1231-1-124						
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	42-46					
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	SYR4/25GY4/1						
13. ODOR							
14. SIZE & COMPOSITION ANALYSIS							
a. > 4 mm (%)	1						
b. 4 to 2 mm (%)	1						
c. 2 to 1 mm (%)	Trace						
d. 1 to .500 mm (%)	Trace						
e. .500 to .250 mm (%)	1						
f. .250 to .125 mm (%)	Trace						
g. .125 to .062 mm (%)	1						
h. .062 to .031 mm (%)	1						
i. .031 to .016 mm (%)	24	20					
j. .016 to .008 mm (%)							
k. .008 to .004 mm (%)	23	26					
l. .004 to .002 mm (%)							
m. .002 to .001 mm (%)	27	26					
n. < .001 mm (%)	21	25					
o. Median Diameter (mm)	.0043	.0036					
p. Sorting Coefficient	3.76	3.66					
q. Skewness	92.8	1.034					
r. Standard Deviation (mm)							
s. Sediment Type	Clayey Silt						
t. Dominant Minerals (%)							
u. Secondary Minerals (%)							
v. Calcium Carbonate (%)	16	15					
w. Organic Carbon (%)							
z. REMARKS							

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PRNC-NAYOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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062-87

ANALYZED BY Coleman

DATE January 1967

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger
2. LATITUDE / 18°18.2'	5. DATE TAKEN (DAY, MO., YR.) 4 Nov. 1966	6. CORE LENGTH (cm)	38
3. LONGITUDE 107°46.8'	6. WATER DEPTH (m)	78.6	
4. LABORATORY NUMBER	1-125 1-126		
5. SUBSAMPLE LENGTH IN CORE (cm)	0-3 32-38		
6. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	SYR4/15GY4/1		
7. ODOR			
8. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)			
b. .4 to .2 mm (%)			
c. .2 to 1 mm (%)			
d. .1 to .500 mm (%)			
e. .500 to .250 mm (%)			
f. .250 to .125 mm (%)			
g. .125 to .062 mm (%)			
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)			
j. .016 to .008 mm (%)			
k. .008 to .004 mm (%)			
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)			
n. < .001 mm (%)			
o. Median Diameter (mm)	.0192	.0272	
p. Sorting Coefficient	4.98	5.06	
q. Skewness	.692	.312	
r. Standard Deviation (mm)			
s. Sediment Type	SILTY SILTY MUD		
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	12	12	
w. Organic Carbon (%)			
15. REMARKS			

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PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

062-87

1. CRUISE NO.	4. SAMPLE NO. E-33		7. TYPE CORER Phleger
2. LATITUDE 18° 08'.8 "	" N	5. DATE TAKEN (DAY, MO., YR.)	8. CORE LENGTH (cm) 28
3. LONGITUDE 107° 53'.0 "	" E	6. WATER DEPTH (m) 87.8	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	1-1271-1-128		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3 22-28		
12. COLOR (GSA ROCK COLOR CHART) - F FIELD [] LAB DETERMINATION	GYR4/15 GY4/1		
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)	9		
b. 4 to 2 mm (%)	2		
c. 2 to 1 mm (%)	2		
d. 1 to .500 mm (%)	3		
e. .500 to .250 mm (%)	10		
f. .250 to .125 mm (%)	14		
g. .125 to .062 mm (%)	17		
h. .062 to .031 mm (%)	5		
i. .031 to .016 mm (%)	23		
j. .016 to .008 mm (%)	20		
k. .008 to .004 mm (%)	11		
l. .004 to .002 mm (%)	12		
m. .002 to .001 mm (%)	10		
n. .001 mm (%)	8		
o. Median Diameter (mm)	.0282		.0912
p. Sorting Coefficient	4.07		12.45
q. Skewness	1.923		.512
r. Standard Deviation (mm)			
s. Sediment Type			SILTY SMOOTH
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	17		17
w. Organic Carbon (%)			
16. REMARKS			

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PRNC-NAVOCEANO-3167/18 Å (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m.)	7. TYPE CORER Phleger
2. LATITUDE 18° 01.1'	" N	4 Nov. 1966	87.8	39
3. LONGITUDE 107° 59.6'	" E			
10. LABORATORY NUMBER	1-1291 1-130			
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3 32-39			
12. COLOR (GSA ROCK COLOR CHART) F FIELD DETERMINATION	SYR4/15GY4/1			
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm. (%)				
b. 4 to 2 mm. (%)				
c. 2 to 1 mm. (%)				
d. 1 to .500 mm. (%)				1 Trace
e. .500 to .250 mm. (%)			7	• 1
f. .250 to .125 mm. (%)		36	12	
g. .125 to .062 mm. (%)	20	21		
h. .062 to .031 mm. (%)				
i. .031 to .016 mm. (%)	15	27		
j. .016 to .008 mm. (%)				
k. .008 to .004 mm. (%)	8	14		
l. .004 to .002 mm. (%)				
m. .002 to .001 mm. (%)	5	10		
n. < .001 mm. (%)	8	13	•	
o. Median Diameter (mm.)	0.0981	0.0254		
p. Sorting Coefficient	2.69	4.30		
q. Skewness	36.6	5.31		
r. Standard Deviation (mm.)				
s. Sediment Type	Silty sand	Standy sand		
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	15	15		
w. Organic Carbon (%)				
x. REMARKS				

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman370062-78DATE January 1967

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. CORE LENGTH (cm)	8. CORE PENETRATION (cm)	9. TYPE CORER Phleger
2. LATITUDE <u>17° 56.4'</u>	" N	4 Nov. 1966				
3. LONGITUDE <u>108° 02.8'</u>	" E		89.6			
4. LABORATORY NUMBER	<u>1-1311</u>	<u>1-132</u>				
5. SUBSAMPLE DEPTH IN CORE (cm)	<u>0-3</u>	<u>25-30</u>				
6. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	<u>SYR4/25GY4/1</u>					
7. ODOR						
8. SIZE & COMPOSITION ANALYSIS						
a. <u>> 4 mm (%)</u>						
b. <u>.4 to .2 mm (%)</u>						
c. <u>.2 to .1 mm (%)</u>						
d. <u>.1 to .050 mm (%)</u>						
e. <u>.050 to .025 mm (%)</u>						
f. <u>.025 to .0125 mm (%)</u>						
g. <u>.0125 to .062 mm (%)</u>						
h. <u>.062 to .031 mm (%)</u>						
i. <u>.031 to .016 mm (%)</u>						
j. <u>.016 to .006 mm (%)</u>						
k. <u>.006 to .004 mm (%)</u>						
l. <u>.004 to .002 mm (%)</u>						
m. <u>.002 to .001 mm (%)</u>						
n. <u>< .001 mm (%)</u>						
o. Median Diameter (mm)						
p. Sorting Coefficient						
q. Skewness						
r. Standard Deviation (mm)						
s. Sediment Type						
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)						
w. Organic Carbon (%)						
x. REMARKS						

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY COLEMAN

DATE January 1967

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1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger
2. LATITUDE	17°53.5'	5. DATE TAKEN (DAY, MO., YR.)	4 Nov. 1966
3. LONGITUDE	108°06.5'	6. CORE LENGTH (cm)	33
10. LABORATORY NUMBER	1-133	9. CORE PENETRATION (cm)	109.7
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3		
12. COLOR (GSA ROCK COLOR CHART)	GYR4/2		
13. DEOD			
14. SIZE & COMPOSITION ANALYSIS			
a.	> 4 mm (%)		
b. 4 to 2 mm (%)			
c. 2 to 1 mm (%)			
d. 1 to .500 mm (%)			
e. .500 to .250 mm (%)			
f. .250 to .125 mm (%)			
g. .125 to .062 mm (%)			
h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)			
j. .016 to .003 mm (%)			
k. .008 to .004 mm (%)			
l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)			
n. < .001 mm (%)			
o. Median Diameter (mm)	.0282		
p. Sorting Coefficient	4.60		
q. Skewness	405		
r. Standard Deviation (mm)	.0229		
s. Sediment Type	SILTY SILEY MUD		
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	13		
w. Organic Carbon (%)	15		
15. REMARKS			

PRNC-NAVOCANO-3167/18 Å (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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DATE January 1967

062-78

ANALYZED BY Coleman

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1. CRUISE NO.	4. SAMPLE NO. E-37-Å		5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. CORE LENGTH (cm)	8. CORE PENETRATION (cm)	9. TYPE CORER Phleger
2. LATITUDE 19° 50' 2" N			4. Nov	91.4	300*		
3. LONGITUDE 108° 04' 7" E							
10. LABORATORY NUMBER	1-135						
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3						
12. COLOR (GSA ROCK COLOR CHART) F FIELD LAB DETERMINATION	5YR4/2						
13. ODOR							
14. SIZE & COMPOSITION ANALYSIS							
a. > 4 mm (%)							
b. 4 to 2 mm (%)							
c. 2 to 1 mm (%)							
d. 1 to .500 mm (%)							
e. .500 to .250 mm (%)							
f. .250 to .125 mm (%)							
g. .125 to .062 mm (%)							
h. .062 to .031 mm (%)							
i. .031 to .016 mm (%)							
j. .016 to .008 mm (%)							
k. .008 to .004 mm (%)							
l. .004 to .002 mm (%)							
m. .002 to .001 mm (%)							
n. < .001 mm (%)							
o. Median Diameter (mm)	0.313						
p. Skewness	2.87						
q. Standard Deviation (mm)							
s. Sediment Type	sandy						
t. Dominant Minerals (%)	mud						
u. Secondary Minerals (%)							
v. Calcium Carbonate (%)							
w. Organic Carbon (%)							
15. REMARKS							

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

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1. CRUISE NO.	4. SAMPLE NO. E-374-B		7. TYPE CORER Phleger
2. LATITUDE 17° 50.2' N	5. DATE TAKEN (DAY, MO., YR.) 4 Nov. 1967	8. CORE LENGTH (cm) 33	
3. LONGITUDE 108° 04.7' E	6. WATER DEPTH (m) 91.4	9. CORER PENETRATION (cm)	
10. LABORATORY NUMBER 11-1361-137			
11. SUBSAMPLE DEPTH IN CORE (cm) 0-3 28-33			
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION			
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%) 2			
b. 4 to 2 mm (%) 1			
c. 2 to 1 mm (%) 1			
d. 1 to .500 mm (%) 1			
e. .500 to .250 mm (%) 7			
f. .250 to .125 mm (%) 21			
g. .125 to .062 mm (%) 23			
h. .062 to .032 mm (%) 10			
i. .032 to .016 mm (%) 16			
j. .016 to .008 mm (%) 15			
k. .008 to .004 mm (%) 13			
l. .004 to .002 mm (%) 12			
m. .002 to .001 mm (%) 8			
n. < .001 mm (%) 19			
o. Median Diameter (cm) 0.670			
p. Sorting Coefficient 4.06			
q. Skewness 7.16			
r. Standard Deviation (mm) 260			
s. Sediment Type Salty sandy mud			
t. Dominant Minerals			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%) 15			
w. Organic Carbon (%) 10			
15. REMARKS			

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

270

DATE January 1967

062-78

ANALYZED BY Coleman

MC 09005026

1. CRUISE NO.	4. SAMPLE NO.	E-38	7. TYPE CORER	Phleger	
2. LATITUDE 17° 53.0'	" N	5. DATE TAKEN (DAY, MO., YR.)	4 Nov. 1966	8. CORE LENGTH (cm)	39
3. LONGITUDE 108° 13.9'	" E	6. WATER DEPTH (m)	100.6	9. CORER PENETRATION (cm)	330
10. LABORATORY NUMBER	1±138	1-139			
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	36-39			
12. COLOR (GSA ROCK COLOR CHART) [EF FIELD LAB DETERMINATION]	5Y4/2	5Y4/1			
13. OCOR	1	1			
14. SIZE & COMPOSITION ANALYSIS					
a. 2	> 4	(mm) (%)			
b. 4	to 2	(mm) (%)			
c. 2	to 1	mm (%)			
d. 1	to .500	mm (%)			
e. .500	to .250	mm (%)			
f. .250	to .125	mm (%)			
g. .125	to .062	mm (%)	9	Trace	
h. .062	to .031	mm (%)	37		1
i. .031	to .016	mm (%)	22		25
j. .016	to .008	mm (%)	6		17
k. .008	to .004	mm (%)	11		34
l. .004	to .002	mm (%)	9		22
m. .002	to .001	mm (%)	6		
n. < .001	mm (%)	11			
o. Median Diameter (mm)	.0634	.0035			
p. Sorting Coefficient	2.75	6.36			
q. Skewness	.303	.529			
r. Standard Deviation (mm)					
s. Sediment Type					
t. Dominant Minerals (%)					
u. Secondary Minerals (%)					
v. Calcium Carbonate (%)	15	11			
w. Organic Carbon (%)	15	11			
15. REMARKS					

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

062-78

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. CORE LENGTH (cm)	7. TYPE CORER	Phleger
2. LATITUDE 17° 54.7'	" N	15 Nov. 1966	20		
3. LONGITUDE 108° 10.3'	" E	WATER DEPTH (m)	800,		
10. LABORATORY NUMBER	1-14G 1-14J				
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3 16-20				
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5GY4/1 5GY4/1 I I				
13. OCCR					
14. SIZE & COMPOSITION ANALYSIS					
a. > 4	(mm) (%)				
b. .4 to .2	mm (%)				
c. .2 to .1	mm (%)	1	4		
d. .1 to .050	mm (%)	5	7		
e. .500 to .250	mm (%)	14	14		
f. .250 to .125	mm (%)	18	21		
g. .125 to .062	mm (%)	15	12		
h. .062 to .031	mm (%)				
i. .031 to .016	mm (%)	17	16		
j. .016 to .008	mm (%)				
k. .008 to .004	mm (%)	10	7		
l. .004 to .002	mm (%)				
m. .002 to .001	mm (%)	9	13		
n. <.001	mm (%)	11	10		
o. Median Diameter (mm)	• 0718	• 1166			
p. Sorting Coefficient	5.444	3.88			
q. Skewness	• 268	• 395			
r. Standard Deviation (mm)					
s. Sediment Type	SILTY SILTY sand sand				
t. Dominant Minerals (%)					
u. Secondary Minerals (%)					
v. Calcium Carbonate (%)	14	26			
w. Organic Carbon (%)					
15. REMARKS					

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY ColemanDATE January 1967**061-88**

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
2. LATITUDE <u>18° 00.0'</u>	" N	5 Nov. 1966				
3. LONGITUDE <u>108° 10.6'</u>	" E					
10. LABORATORY NUMBER	1-142	1-143				
11. SUBSTRATE IN CORE (cm)	0-3	9-12				
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	5Y4/15YR4/2 E	E				
13. ODOR						
14. SIZE & COMPOSITION ANALYSIS						
a. > 4 mm (%)						
b. 4 to 2 mm (%)						
c. 2 to 1 mm (%)						
d. 1 to .500 mm (%)				4		
e. .500 to .250 mm (%)				11	2	
f. .250 to .125 mm (%)				32	24	
g. .125 to .062 mm (%)				12	8	
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)				16	23	
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)				10	15	
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)				7	7	
n. < .001 mm (%)				6	19	
o. Median Diameter (mm)		1088		0.237		
p. Sorting Coefficient	3.24		6.35			
q. Skewness	2.87		.737			
r. Standard Deviation (mm)						
s. Sediment Type				SILTY SILTY		
t. Dominant Minerals	(%)			SAND		
u. Secondary Minerals	(%)					
v. Calcium Carbonate (%)	18		13			
w. Organic Carbon (%)						
x. REMARKS	*Clay on bottom brownish gray					

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PRNCNAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY ColemanDATE January 1967

062-88

1. CRUISE NO.	4. SAMPLE NO. E-41		7. TYPE CORE PHLEGER
2. LATITUDE	18° 04.5'	" N	5. DATE TAKEN (DAY, MO., YR.) 5 Nov. 1966
3. LONGITUDE	108° 11.2'	" E	6. WATER DEPTH (m) 75.0 246'
4. LABORATORY NUMBER	1-144		8. CORE LENGTH (cm) 6
11. SUBSAMPLE DEPTH IN CORE (cm)	0-6		9. CORE PENETRATION (cm)
12. COLOR (GSA ROCK COLOR CHART)	SGY4/1		
13. FIELD <input checked="" type="checkbox"/> LAB DETERMINATION			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4	(mm) (%)	17%	
b. 4 to 2	(mm) (%)	19%	
c. 2 to 1	(mm) (%)	8	
d. 1 to .500	(mm) (%)	5	
e. .500 to .250	(mm) (%)	4	
f. .250 to .125	(mm) (%)	9	
g. .125 to .062	(mm) (%)	7	
h. .062 to .031	(mm) (%)		
i. .031 to .016	(mm) (%)	12	
j. .016 to .008	(mm) (%)		
k. .008 to .004	(mm) (%)	7	
l. .004 to .002	(mm) (%)	6	
m. .002 to .001	(mm) (%)	4	
n. < .001	(mm) (%)	4353	
o. Median Diameter (mm)		9.03	
p. Sorting Coefficient		.483	
q. Skewness			
r. Standard Deviation (mm)			
s. Sediment Type		Sandy	
t. Dominant Minerals	(%)		
u. Secondary Minerals	(%)		
v. Calcium Carbonate (%)	49		
w. Organic Carbon (%)			
15. REMARKS			

*Iron stained quartz granules with algae coatings

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PRNC-NAYOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

062-68

1. CRUISE NO.	4. SAMPLE NO.		5. DATE TAKEN (DAY, MO., YR.)		6. WATER DEPTH (m)		7. TYPE CORER		Phleger	
2. LATITUDE	18° 14.7'		N		8. CORE LENGTH (cm)		11			
3. LONGITUDE	108° 12.1'		E		9. CORER PENETRATION (cm)					
4. LABORATORY NUMBER	1-145									
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5									
12. COLOR (GSA ROCK COLOR CHART)	SGY4/1									
13. FIELD LAB DETERMINATION	L									
14. ODOR										
15. SIZE & COMPOSITION ANALYSIS										
a. > 4	(mm) (%)									
b. 4 to 2	(mm) (%)									
c. 2 to 1	mm (%)									
d. 1 to .500	mm (%)									
e. .500 to .250	mm (%)									
f. .250 to .125	mm (%)									
g. .125 to .062	mm (%)									
h. .062 to .031	mm (%)									
i. .031 to .016	mm (%)									
j. .016 to .008	mm (%)									
k. .008 to .004	mm (%)									
l. .004 to .002	mm (%)									
m. .002 to .001	mm (%)									
n. < .001	mm (%)									
o. Median Diameter (mm)	.0167									
p. Sorting Coefficient	3.70									
q. Skewness	• 3.87									
r. Standard Deviation (mm)										
s. Sediment Type	Clayey Silt									
t. Dominant Minerals (%)										
u. Secondary Minerals (%)										
v. Calcium Carbonate (%)	1.5									
w. Organic Carbon (%)										
x. REMARKS										

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

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DATE January 1967

1. CRUISE NO.	17° 38.4' N	5. DATE TAKEN (DAY, MO., YR.)	15 Nov. 1966	8. CORE LENGTH (cm)	29
2. LATITUDE	17° 38.4' N	6. WATER DEPTH (cm)	57.9	9. CORER PENETRATION (cm)	
3. LONGITUDE	107° 20.5' E	7. LAB. DETERMINATION	190.0		
4. LABORATORY NUMBER	1-146 1-147				
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3				
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB. DETERMINATION					
13. ODOR					
14. SAMPLE NO.	E-43	17. TYPE CORER Phlegger			
15. SIZE & COMPOSITION ANALYSIS					
a. > 4 mm (%)	33	7			
b. 4 to 2 mm (%)	4	3			
c. 2 to 1 mm (%)	6	6			
d. 1 to .500 mm (%)	10	9			
e. .500 to .250 mm (%)	14	10			
f. .250 to .125 mm (%)	7	5			
g. .125 to .062 mm (%)	4	3			
h. .062 to .031 mm (%)					
i. .031 to .016 mm (%)	14	13			
j. .016 to .008 mm (%)			●		
k. .008 to .004 mm (%)	16	12	●		
l. .004 to .002 mm (%)					
m. .002 to .001 mm (%)	13	15			
n. < .001 mm (%)	12	16			
o. Median Diameter (mm)	.0335	.0292			
p. Sorting Coefficient	9.45	15.07			
q. Skewness	1.212	1.290			
r. Standard Deviation (mm)					
s. Sediment Type	sandy	sticky			
t. Dominant Minerals (%)		mud			
u. Secondary Minerals (%)					
v. Calcium Carbonate (%)	39	40			
w. Organic Carbon (%)					
15. REMARKS	**Large piece of coral in sample 1-146				

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

1. CRUISE NO.	4. SAMPLE NO.	F-444	7. TYPE CORER	Phleggen
2. LATITUDE 17° 16.7'	5. DATE TAKEN (DAY, MO., YR.)	5 Nov. 1966	8. CORE LENGTH (cm)	49
3. LONGITUDE 107° 26.7'	6. WATER DEPTH (m)	57.9	9. CORER PENETRATION (cm)	
10. LABORATORY NUMBER	1-148 1-149			
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3 44-49			
12. COLOR (GGA ROCK COLOR CHART) FIELD LAB DETERMINATION	SYR4/2 SY4/1			
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (%)	4			
b. 4 to 2 mm (%)	to 2			
c. 2 to 1 mm (%)	1			
d. 1 to .500 mm (%)	.500	1 Trace		
e. .500 to .250 mm (%)	.250	1		
f. .250 to .125 mm (%)	.125	3		
g. .125 to .062 mm (%)	.062	7		
h. .062 to .031 mm (%)	.031	12		
i. .031 to .016 mm (%)	.016	•		
j. .016 to .008 mm (%)	.008	27		
k. .008 to .004 mm (%)	.004	22		
l. .004 to .002 mm (%)	.002	•		
m. .002 to .001 mm (%)	.001	21		
n. < .001 mm (%)	0	26		
o. Median Diameter (mm)	0.059	0.032		
p. Sorting Coefficient	4.20	3.44		
q. Skewness	855	940		
r. Standard Deviation (mm)				
s. Sediment Type	clayey silt clay			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	7	19		
w. Organic Carbon (%)				
15. REMARKS				

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PRINCAYOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE January 1967

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1. CRUISE NO.	4. SAMPLE NO. E-45		7. TYPE CORER Phleger	
2. LATITUDE 17° 27.0'	" N	5. DATE TAKEN (DAY, MO., YR.) 5 Nov. 1966	6. CORE LENGTH (cm) 34	
3. LONGITUDE 107° 37.3'	" E	6. WATER DEPTH (m)	63.4	
4. LABORATORY NUMBER 1-1501-1-151		7. CORE PENETRATION (cm)		
11. SUBSAMPLE DEPTH IN CORE (cm) 0-2 28-34		8. SEDIMENT GRAIN SIZE (%)		
12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5YR4/15GY4/1	9. SEDIMENT GRAIN SIZE (%)		
13. ODOR		10. SEDIMENT GRAIN SIZE (%)		
14. SIZE & COMPOSITION ANALYSIS		11. SEDIMENT GRAIN SIZE (%)		
a. > 4 mm. (%)		12. SEDIMENT GRAIN SIZE (%)		
b. 4 to 2 mm. (%)		13. SEDIMENT GRAIN SIZE (%)		
c. 2 to 1 mm. (%)		14. SEDIMENT GRAIN SIZE (%)		
d. 1 to .500 mm. (%)		15. SEDIMENT GRAIN SIZE (%)		
e. .500 to .250 mm. (%)		16. SEDIMENT GRAIN SIZE (%)		
f. .250 to .125 mm. (%)		17. SEDIMENT GRAIN SIZE (%)		
g. .125 to .062 mm. (%)		18. SEDIMENT GRAIN SIZE (%)		
h. .062 to .031 mm. (%)		19. SEDIMENT GRAIN SIZE (%)		
i. .031 to .016 mm. (%)		20. SEDIMENT GRAIN SIZE (%)		
j. .016 to .008 mm. (%)		21. SEDIMENT GRAIN SIZE (%)		
k. .008 to .004 mm. (%)		22. SEDIMENT GRAIN SIZE (%)		
l. .004 to .002 mm. (%)		23. SEDIMENT GRAIN SIZE (%)		
m. .002 to .001 mm. (%)		24. SEDIMENT GRAIN SIZE (%)		
n. < .001 mm. (%)		25. SEDIMENT GRAIN SIZE (%)		
o. Median Diameter (mm)	.0022	26. SEDIMENT GRAIN SIZE (%)		
p. Sorting Coefficient	4.08	27. SEDIMENT GRAIN SIZE (%)		
q. Skewness	3.54	28. SEDIMENT GRAIN SIZE (%)		
r. Standard Deviation (mm)	1.240	29. SEDIMENT GRAIN SIZE (%)		
s. Sediment Type	silty clay	30. SEDIMENT GRAIN SIZE (%)		
t. Dominant Minerals	clay	31. SEDIMENT GRAIN SIZE (%)		
u. Secondary Minerals	(%)	32. SEDIMENT GRAIN SIZE (%)		
v. Calcium Carbonate	(%)	33. SEDIMENT GRAIN SIZE (%)		
w. Organic Carbon	(%)	34. SEDIMENT GRAIN SIZE (%)		
x. REMARKS		35. SEDIMENT GRAIN SIZE (%)		

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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062-77

ANALYZED BY_Coleman

DATE January 1967

1. CRUISE NO.	E-46		7. TYPE CORE	Phlegren
2. LATITUDE	17° 33.1'	" N	8. DATE TAKEN (DAY, MO., YR.)	5 Nov. 1966
3. LONGITUDE	107° 46.6'	" E	9. WATER DEPTH (m)	36
10. LABORATORY NUMBER	1-152	1-153	11. SUBSAMPLE DEPTH IN CORE (cm)	0-3 30-36
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	SYR4/1	SY4/1	13. ODOR	
14. SIZE & COMPOSITION ANALYSIS				
a. > 4:	(mm) (%)			
b. 4 to 2	(mm) (%)			
c. 2 to 1	mm (%)			
d. 1 to .500	mm (%)			
e. .500 to .250	mm (%)			
f. .250 to .125	mm (%)			
g. .125 to .062	mm (%)			
h. .062 to .032	mm (%)			
i. .031 to .016	mm (%)			
j. .016 to .008	mm (%)			
k. .008 to .004	mm (%)			
l. .004 to .002	mm (%)			
m. .002 to .001	mm (%)			
n. < .001	mm (%)			
o. Median Diameter (mm)	.0022	.0042		
p. Sorting Coefficient	3.97	3.38		
q. Skewness	1.16	646		
r. Standard Deviation (mm)	32	24		
s. Sediment Type	silty clayey	silt		
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	16	20		
w. Organic Carbon (%)				
x. REMARKS				

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE January 1967

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1. CRUISE NO.	4. SAMPLE NO.		5. DATE TAKEN (DAY, MO., YR.)		6. CORE LENGTH (cm)		7. TYPE CORER Phleger	
2. LATITUDE • 17° 38.2'	" N	"	5. NOV. 1966		8. CORE LENGTH (cm)	22		
3. LONGITUDE 107° 53.7'	" E	"	6. WATER DEPTH (m)	89.6	9. CORER PENETRATION (cm)	294		
10. LABORATORY NUMBER	11-154	1-155						
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	18-22						
12. COLOR (GSA ROCK COLOR CHART) — FIELD [] LAB DETERMINATION	5YR4/15YR4/1	[]						
13. ODOR	[]	[]						
14. SIZE & COMPOSITION ANALYSIS								
a. > 4 mm (%)	Trace	Trace	Trace	Trace	Trace	Trace	Trace	Trace
b. 4 to 2 mm (%)	1	1	1	1	1	1	1	1
c. 2 to 1 mm (%)	1	1	1	1	1	1	1	1
d. 1 to .500 mm (%)	1	1	1	1	1	1	1	1
e. .500 to .250 mm (%)	1	1	1	1	1	1	1	1
f. .250 to .125 mm (%)	1	1	1	1	1	1	1	1
g. .125 to .062 mm (%)	1	1	1	1	1	1	1	1
h. .062 to .031 mm (%)	1	1	1	1	1	1	1	1
i. .031 to .016 mm (%)	1	1	1	1	1	1	1	1
j. .016 to .008 mm (%)	1	1	1	1	1	1	1	1
k. .008 to .004 mm (%)	1	1	1	1	1	1	1	1
l. .004 to .002 mm (%)	1	1	1	1	1	1	1	1
m. .002 to .001 mm (%)	1	1	1	1	1	1	1	1
n. <.001 mm (%)	1	1	1	1	1	1	1	1
o. Median Diameter (mm)	0.173	0.045						
p. Sorting Coefficient	6.84	4.41						
q. Skewness	503	470						
r. Standard Deviation (mm)								
s. Sediment Type	mud	CLAYEY						
t. Dominant Minerals (%)								
u. Secondary Minerals (%)								
v. Calcium Carbonate (%)	20	6						
w. Organic Carbon (%)								
x. REMARKS	*Clay brownish gray (5YR4/2) to dusky, brown (10YR4/4) with streaks of yellow brown silt.							

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

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1. CRUISE NO.	4. SAMPLE NO.		7. TYPE CORER		8. CORE LENGTH (cm)		9. CORER PENETRATION (cm)	
2. LATITUDE 17°42.0'	"	N	5. DATE TAKEN (DAY, MO., YR.)	5 Nov. 1966	E	6. WATER DEPTH (m)	89.6	31
3. LONGITUDE 107°59.7'	"	E						
4. LABORATORY NUMBER	1-156	1-157						
5. SUBSAMPLE DEPTH IN CORE (cm)	0-3	25-31						
6. COLOR (GSA ROCK COLOR CHART) <input checked="" type="checkbox"/> FIELD <input type="checkbox"/> LAB DETERMINATION	SYR4/1	SY4/2						
7. OCOR								
8. SIZE & COMPOSITION ANALYSIS								
a. > 4 mm (%)								
b. 4 to 2 mm (%)								
c. 2 to 1 mm (%)								
d. 1 to .500 mm (%)								
e. .500 to .250 mm (%)								
f. .250 to .125 mm (%)								
g. .125 to .062 mm (%)								
h. .062 to .031 mm (%)								
i. .031 to .016 mm (%)								
j. .016 to .008 mm (%)								
k. .008 to .004 mm (%)								
l. .004 to .002 mm (%)								
m. .002 to .001 mm (%)								
n. <.001 mm (%)								
o. Median Diameter (mm)	0.427	0.039						
p. Sorting Coefficient	3.24	5.63						
q. Skewness	6.15	.334						
r. Standard Deviation (mm)								
s. Sediment Type	Silty Silt Clay							
t. Dominant Minerals (%)								
u. Secondary Minerals (%)								
v. Calcium Carbonate (%)	17	8						
w. Organic Carbon (%)								
x. REMARKS	Sand brownish to greenish gray (SYR4/1 to SY4/1)							

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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O 62-78

ANALYZED BY Coleman

DATE January 1967

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)	Phleger
2. LATITUDE 17° 46.5'	5. N	5 Nov. 1966	86.0		20		
3. LONGITUDE 108° 06.0'	6. E						
10. LABORATORY NUMBER	11-158	7. 1-159					
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	8. 15-20					
12. COLOR (GSA ROCK COLOR CHART) [F] FIELD [L] LAB DETERMINATION	SYR4/1	9. SY4/1					
13. ODOR							
14. SITE & COMPOSITION ANALYSIS							
a. > 4 mm (%)	1	b. 4 to 2 mm (%)	1	c. 2 to 1 mm (%)	1	d. 1 to .500 mm (%)	1
e. .500 to .250 mm (%)	5	f. .250 to .125 mm (%)	18	g. .125 to .062 mm (%)	17	h. .062 to .031 mm (%)	14
i. .031 to .016 mm (%)	27	j. .016 to .008 mm (%)	33	k. .008 to .004 mm (%)	8	l. .004 to .002 mm (%)	15
m. .002 to .001 mm (%)	10	n. < .001 mm (%)	10	o. Median Diameter (mm)	11	p. Sorting Coefficient	4.22
q. Skewness	4.04	r. Standard Deviation (mm)	0.52	s. Sediment Type	Sandy silty mud	t. Dominant Minerals	643
u. Secondary Minerals		v. Calcium Carbonate (%)		w. Organic Carbon (%)		x. REMARKS	

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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DATE January 1967

Phleger

E-50

23

5.

N

5.

DATE TAKEN (DAY, MO., YR.)

5 Nov. 1966

6.

WATER DEPTH (m)

87.8

7.

CORE LENGTH (cm)

23

8.

CORE PENETRATION (cm)

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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062-78

ANALYZED BY Coleman

DATE January 1967

Cruise No.

E-51

2. LATITUDE 17°56'.5" N

5. DATE TAKEN (DAY, MO., YR.) 5 NOV. 1966

8. CORE LENGTH (cm) 32

3. LONGITUDE 108°18'.8" E

6. WATER DEPTH (m) 86.0

9. CORER PENETRATION (cm).

10. LABORATORY NUMBER 1-162 1-163

11. SUBSAMPLE DEPTH IN CORE (cm) 0-3 28-32

12. COLOR (GSA ROCK COLOR CHART) SYR4/1

13. FIELD LAB DETERMINATION

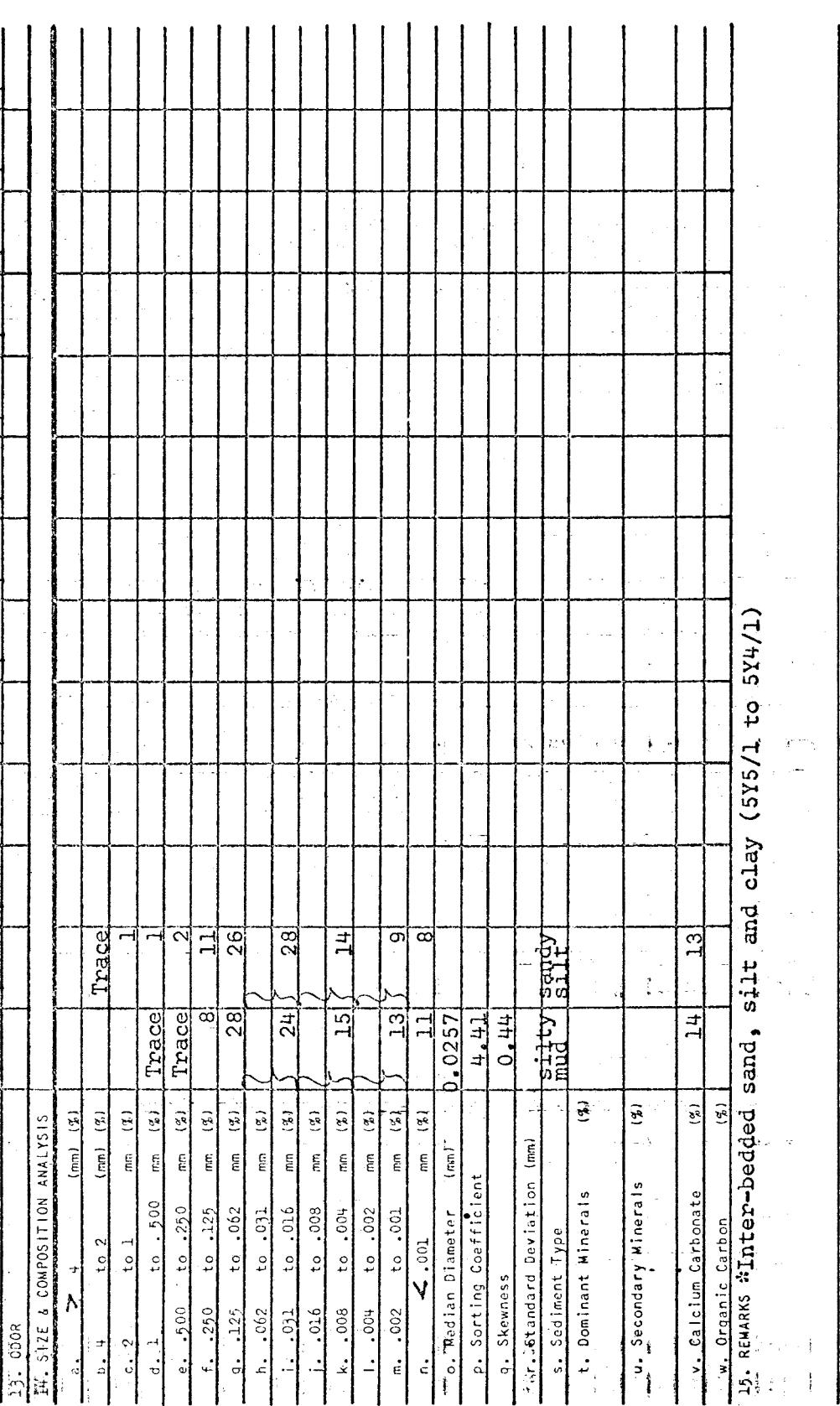
14. ODOR

15. SIZE & COMPOSITION ANALYSIS

16. Secondary Minerals (%)

17. Remarks #Inter-bedded sand, silt and clay (5Y5/1 to 5Y4/1)

a. > 4 mm (%)	Trace
b. 4 to 2 mm (%)	1
c. 2 to 1 mm (%)	1
d. 1 to .500 mm (%)	Trace
e. .500 to .250 mm (%)	Trace
f. .250 to .125 mm (%)	8
g. .125 to .062 mm (%)	28
h. .062 to .031 mm (%)	26
i. .031 to .016 mm (%)	2
j. .016 to .008 mm (%)	24
k. .008 to .004 mm (%)	28
l. .004 to .002 mm (%)	15
m. .002 to .001 mm (%)	14
n. < .001 mm (%)	13
o. Median Diameter (mm)	0.0257
p. Sorting Coefficient	4.41
q. Skewness	0.44
r. Standard Deviation (mm)	
s. Sediment Type	SILTY SANDY SILT
t. Dominant Minerals (%)	MUD
u. Secondary Minerals (%)	
v. Calcium Carbonate (%)	14
w. Organic Carbon (%)	13



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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY ColemanDATE January 1967

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger
2. LATITUDE <u>17° 52.1'</u>	" N	5. DATE TAKEN (DAY, MO, YR.)	<u>5 Nov. 1966</u>
3. LONGITUDE <u>08° 21.9'</u>	" E	6. WATER DEPTH (m)	<u>73.2</u>
10. LABORATORY NUMBER	1-164	7. CORE LENGTH (cm)	<u>24</u>
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	8. CORE PENETRATION (cm)	
12. COLOR (GSA ROCK COLOR CHART) [FF] FIELD [L] LAB DETERMINATION	SY4/1	9.	
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%)	3		
b. 4 to 2 mm (%)	5		
c. 2 to 1 mm (%)	2		
d. 1 to .500 mm (%)	3		
e. .500 to .250 mm (%)	8		
f. .250 to .125 mm (%)	11		
g. .125 to .062 mm (%)	19		
h. .062 to .031 mm (%)	22		
i. .031 to .016 mm (%)	16		
j. .016 to .008 mm (%)	17		
k. .008 to .004 mm (%)	18		
l. .004 to .002 mm (%)	12		
m. .002 to .001 mm (%)	10		
n. < .001 mm (%)	5		
o. Median Diameter (mm)	.0693	1088	
p. Standard Deviation (mm)	.341	.500	
q. Skewness			
r. Sorting Coefficient	3.77	3.24	
s. Sediment Type	Silty sand		
t. Dominant Minerals (%)			
u. Secondary Minerals (%)			
v. Calcium Carbonate (%)	27	37	
w. Organic Carbon (%)			
15. REMARKS			

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY ColemanDATE January 1967

062-88-

1. CRUISE NO.	4. SAMPLE NO.		7. TYPE CORER	Phleger
2. LATITUDE	18° 05.9'	" N	5. DATE TAKEN (DAY, MO., YR.)	6 Nov. 1966
3. LONGITUDE	108° 30.2'	" E	6. WATER DEPTH (m)	73.2
10. LABORATORY NUMBER	1-166	1-167	8. CORE LENGTH (cm)	11
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	7-11	9. CORER PENETRATION (cm)	
12. COLOR (GSA ROCK COLOR CHART)	5YR4/1	5Y4/1		
— FIELD <input checked="" type="checkbox"/> LAB DETERMINATION				
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (g)	3			
b. 4 to 2 mm (g)	5			
c. 2 to 1 mm (%)	5			
d. 1 to .500 mm (%)	7	Trace		
e. .500 to .250 mm (%)	15			
f. .250 to .125 mm (%)	28	1		
g. .125 to .062 mm (%)	7	1		
h. .062 to .031 mm (%)	7			
i. .031 to .016 mm (%)	9	37		
j. .016 to .003 mm (%)	7			
k. .008 to .004 mm (%)	7	28		
l. .004 to .002 mm (%)	7			
m. .002 to .001 mm (%)	8	16		
n. <.001 mm (%)	7	17		
o. Median Diameter (mm)	0.1627	.0078		
p. Sorting Coefficient	3.86	3.78		
q. Skewness	0.360	.927		
r. Standard Deviation (mm)				
s. Sediment Type	Sandy clayey sand			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	37	13		
w. Organic Carbon (%)				
x. REMARKS				

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PRINC-NAYOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

270

ANALYZED BY Coleman

DATE January 1967

062-88

1. CRUISE NO.	4. SAMPLE NO.		7. TYPE CORER		Phleger	
2. LATITUDE	18° 12.2'		5. DATE TAKEN (DAY, MO., YR.)	6 Nov. 1966		8. CORE LENGTH (cm)
3. LONGITUDE	108° 20.5'		6. WATER DEPTH (m)	82.3		15
10. LABORATORY NUMBER	1-168		9. CORER PENETRATION (cm)			
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3					
12. COLOR (GSA ROCK COLOR CHART)	5Y4/1					
12. FIELD <input checked="" type="checkbox"/> LAB DETERMINATION						
13. ODOR.						
14. SIZE & COMPOSITION ANALYSIS						
a. > 4 mm (%)						
b. 4 to 2 mm (%)						
c. 2 to 1 mm (%)						
d. 1 to .500 mm (%)						
e. .500 to .250 mm (%)						
f. .250 to .125 mm (%)						
g. .125 to .062 mm (%)						
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)						
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)						
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)						
n. <.001 mm (%)						
o. Median Diameter (mm)						
p. Sorting Coefficient						
q. Skewness	4.20					
r. Standard Deviation (mm)						
s. Sediment Type	SILTY SAND					
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)	12					
w. Organic Carbon (%)						
x. REMARKS						

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PRINC-NAVOCAN-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

062-8Y

1. CRUISE NO.	E-56		7. TYPE CORER	Phleger
2. LATITUDE	18° 04.4'	N	8. DATE TAKEN (DAY, MO., YR.)	6 Nov. 1966
3. LONGITUDE	108° 20.8'	E	9. WATER DEPTH (m)	86.0
4. LABORATORY NUMBER	1-169	1-170		
5. SUBSAMPLE DEPTH IN CORE (cm)	0-3	30-35		
6. COLOR (GSA ROCK COLOR CHART)	5YR4/1	5Y4/1		
7. FIELD <input checked="" type="checkbox"/> LAB DETERMINATION				
8. ODOR				
II. SIZE & COMPOSITION ANALYSIS				
a. 4	(mm) (%)			
b. 4 to 2	(mm) (%)	1		
c. 2 to 1	mm (%)	2		
d. 1 to .500	mm (%)	2		
e. .500 to .250	mm (%)	5		
f. .250 to .125	mm (%)	12		
g. .125 to .062	mm (%)	19		
h. .062 to .031	mm (%)			
i. .031 to .016	mm (%)	19		
j. .016 to .008	mm (%)	34		
k. .008 to .004	mm (%)	13		
l. .004 to .002	mm (%)			
m. .002 to .001	mm (%)	13		
n. < .001	mm (%)	20		
o. Median Diameter	(mm)	6.18		
p. Sorting Coefficient		3.78		
q. Skewness		0.320		
r. Standard Deviation (mm)		0.061		
s. Sediment Type		sandy silty mud		
t. Dominant Minerals	(%)			
u. Secondary Minerals	(%)			
v. Calcium Carbonate	(%)	20		
w. Organic Carbon	(%)	13		
x. REMARKS				

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PRNC NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE January 1967

062-78

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. CORE LENGTH (cm)	7. TYPE CORER Phleger
2. LATITUDE	° 55.9'	" N	8. WATER DEPTH (m)	9. CORER PENETRATION (cm)
3. LONGITUDE	° 30.0'	" E	10. LABORATORY NUMBER	11. SUBSAMPLE DEPTH IN CORE (cm)
11. COLOR (GSA ROCK COLOR CHART) REFFIELD [] LAB DETERMINATION	6YR4/1 5Y4/1	0-3 26-31	12. 1-172	13. ODOR
14. SIZE & COMPOSITION ANALYSIS	E-57			
a. > 4 mm (%)	8			
b. 4 to 2 mm (%)	6			
c. 2 to 1 mm (%)	5			
d. 1 to .500 mm (%)	5			
e. .500 to .250 mm (%)	6			
f. .250 to .125 mm (%)	8	1		
g. .125 to .062 mm (%)	6	4		
h. .062 to .031 mm (%)	7			
i. .031 to .016 mm (%)	15	36		
j. .016 to .008 mm (%)	7			
k. .008 to .004 mm (%)	11	22		
l. .004 to .002 mm (%)	14			
m. .002 to .001 mm (%)	14	14		
n. <.001 mm (%)	13	23		
o. Median Diameter (mm)	.0379	.0087		
p. Sorting Coefficient	13.04	4.21		
q. Skewness	1.01	.338		
r. Standard Deviation (mm)				
s. Sediment Type	SANDY CLAYEY			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	25			
w. Organic Carbon (%)				
15. REMARKS				

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PRNC-NAVOCEANO-3167/18 B (4-63)

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman

DATE 20 Jan. 1967

062-27

1. CRUISE NO.	4. SAMPLE NO.	K-1	7. TYPE CORER	Phleger
2. LATITUDE	17 ° 41.2'	N	5. DATE TAKEN (day, month, year)	16 Nov. 1966
3. LONGITUDE	107 ° 51.2'	E	6. WATER DEPTH (m)	82.3
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6		8. CORE LENGTH (cm)	28
11. WET UNIT WEIGHT (g/cm³)	1.528		9. CORER PENETRATION (cm)	
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	82.02			
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(69)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL	(g/cm²)			
	REMOULD			
23. COHESION	NATURAL (g/cm²)			
	REMOULD (g/cm²)			
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (%)				
29. REMARKS				

Porosity calculated on an assumed 100% saturation.

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PRNC NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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O 62-22

ANALYZED BY Coleman

DATE 23 January 1967

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1. CRUISE NO.	14. SAMPLE NO.	7. TYPE CORER Phleger
2. LATITUDE 17° 41.2' N	5. DATE TAKEN (DAY, MO., YR.)	16 Nov. 1966
3. LONGITUDE 107° 51.2' E	6. WATER DEPTH (mi)	82.3
10. LABORATORY NUMBER	11. SUBSAMPLE DEPTH IN CORE (cm)	0-3
11. COLOR (GSA ROCK COLOR CHART) FIELD [] LAB DETERMINATION	12. COLOR (GSA ROCK COLOR CHART) 5Y4/1	
13. ODOR		
14. SIZE & COMPOSITION ANALYSIS		
a. 1 > 4 mm (%)	b. 4 to 1 mm (%)	c. 2 to .500 mm (%)
d. 1 to .500 mm (%)	e. .500 to .250 mm (%)	f. .250 to .125 mm (%)
g. .125 to .062 mm (%)	h. .062 to .031 mm (%)	i. .031 to .016 mm (%)
j. .016 to .008 mm (%)	k. .008 to .004 mm (%)	l. .004 to .002 mm (%)
m. .002 to .001 mm (%)	n. <.001 mm (%)	o. Median Diameter (mm)
p. Sorting Coefficient	q. Skewness	r. Standard Deviation (mm)
s. Sediment Type	t. Dominant Minerals (%)	u. Secondary Minerals (%)
v. Calcium Carbonate (%)	w. Organic Carbon (%)	x. REMARKS
15. REMARKS		

PRNC-NAVOCEANO-3167/18 B (4-63)

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman

DATE 23 Jan. 1967

062-77

1. CRUISE NO.	4. SAMPLE NO.	K-4	7. TYPE CORER	Phleger
2. LATITUDE 17 °	N	5. DATE TAKEN (Day, month, year)	16 Nov. 1966	8. CORE LENGTH (cm)
3. LONGITUDE 107 ° 47.3'	E	6. WATER DEPTH (m)	68.6	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6			
11. WET UNIT WEIGHT (g/cm³)	1.432			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	110.88			
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(75)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL REMOVED	(g/cm²)	(g/cm²)		
23. COHESION NATURAL REMOVED	(g/cm²)	(g/cm²)		
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLOP (%)				

Porosity calculated on an assumed 100% saturation.

29TH REMARKS

PRNCNAVOCEANO-3167/18 Å (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY _____
ColemanDATE _____
23 January 1967

062-77

1. CRUISE NO. _____

2. LATITUDE 17° 14'.8" N

3. LONGITUDE 107° 47'.3" E

4. SAMPLE NO. K-4

5. DATE TAKEN (DAY, MO., YR.) 16 Nov. 1966

6. WATER DEPTH (m) 77.7

7. CORE LENGTH (cm) 34

8. CORE PENETRATION (cm) 34

9. LABORATORY NUMBER 1-206

10. SUBSAMPLE DEPTH IN CORE (cm) 0.3

11. COLOR (GSA ROCK COLOR CHART) SY4/1

12. FIELD [] LAB DETERMINATION

13. ODOR

14. SIZE & COMPOSITION ANALYSIS

a.	> 4	(mm) (%)
b.	0. 4 to 2	(mm) (%)
c.	.2 to 1	mm. (%)
d.	.1 to .500	mm. (%)
e.	.500 to .250	mm. (%)
f.	.250 to .125	mm. (%)
g.	.125 to .062	mm. (%)
h.	.062 to .031	mm. (%)
i.	.031 to .016	mm. (%)
j.	.016 to .008	mm. (%)
k.	.008 to .004	mm. (%)
l.	.004 to .002	mm. (%)
m.	.002 to .001	mm. (%)
n.	< .001	mm. (%)

15. Median Diameter (mm) 0.0029

16. Sorting Coefficient 3.65

17. Skewness 1.018

18. Standard Deviation (mm) 2.5

19. Sediment Type SILTY CLAY

20. Dominant Minerals

Secondary Minerals (%)

v. Calcium Carbonate (%) 21

w. Organic Carbon (%)

16. REMARKS

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman370DATE 21 Jan 1967062-77

1. CRUISE NO.	2. LATITUDE ° 28.5 .	3. LONGITUDE ° 56.5 .	4. SAMPLE NO. K-5	5. DATE TAKEN (day, month, year) 17 Nov. 1966	6. WATER DEPTH (m) 88.4	7. TYPE CORER Phleger	8. CORE LENGTH (cm) 36	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6							
11. WET UNIT WEIGHT (g/cm ³)	1.636							
12. SPECIFIC GRAVITY OF SOLIDS								
13. WATER CONTENT (% dry weight)	53.69							
14. VOID RATIO								
15. SATURATED VOID RATIO								
16. POROSITY (%)	(57)							
17. LIQUID LIMIT								
18. PLASTIC LIMIT								
19. PLASTICITY INDEX								
20. LIQUIDITY INDEX								
21. COMPRESSION INDEX FROM LL								
22. COMPRESSIVE STRENGTH NATURAL (g/cm ²)	REMOULD (g/cm ²)							
23. COHESION NATURAL (g/cm ²)	REMOULD (g/cm ²)							
24. SENSITIVITY								
25. ANGLE OF INTERNAL FRICTION (°)								
26. ACTIVITY								
27. MODULUS OF ELASTICITY								
28. SLUMP (%)								
29. REMARKS	Porosity calculated on an assumed 100% saturation.							

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PRINC-NAVOCEANO-3167/18 A (463)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY ColemanDATE 23 January 1967062-77

1. CRUISE NO.	4. SAMPLE NO.		7. TYPE CORER	Phleger
2. LATITUDE	17° 28.5'	" N	5. DATE TAKEN (DAY, MO., YR.)	17 Nov. 1966
3. LONGITUDE	107° 56.5'	" E	6. WATER DEPTH (m)	88.4
10. LABORATORY NUMBER	1-2071-208		8. CORE LENGTH (cm)	36
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3 30-36		9. CORER PENETRATION (cm)	
12. COLOR (GSA ROCK COLOR CHART)	SYR4/15YB4/1			
13. FIELD LAB. DETERMINATION	* *			
13. QDR				
14. SIZE & COMPOSITION ANALYSIS				
a.	≥ 4	(mm) (%)		
b. 4 to 2	(mm) (%)	1	2	
c. 2 to 1	min. (%)	3		
d. 1 to .5	min. (%)	6		
e. .500 to .250	min. (%)	14	1	
f. .250 to .125	min. (%)	15		
g. .125 to .062	min. (%)	15		
h. .062 to .031	min. (%)			
i. .031 to .016	min. (%)	11	15	
j. .016 to .008	min. (%)			
k. .008 to .004	min. (%)	14	30	
l. .004 to .002	min. (%)			
m. .002 to .001	min. (%)	10	26	
n. ≤ .001	min. (%)	9	28	
o. Median Diameter (mm)	10.0673	.0031		
p. Sorting Coefficient	6.25	3.30		
q. Skewness	• 347	.724		
r. Standard Deviation (mm)				
s. Sediment Type	silty-silty sand clay			
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	25	15		
w. Organic Carbon (%)				
15. REMARKS	*Clay color (SYR4/1 to SY4/1) grayish blue to lt. olive gray			

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PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 23 January 1967

1. CRUISE NO.

K-6

2. LATITUDE 17° 18.5' N5. DATE TAKEN (DAY, MO., YR.) 17 Nov. 19663. LONGITUDE 108° 21.0' E6. WATER DEPTH (m) 86.010. LABORATORY NUMBER 1-20911. SUBSAMPLE DEPTH IN CORE (cm) 0-312. COLOR (GSA ROCK COLOR CHART) 5YR4/113. FIELD LAB DETERMINATION

14. ODOR

14. SIZE & COMPOSITION ANALYSIS

a. > 4 mm (%)

b. 4 to 2 mm (%) Tr.

c. 2 to 1 mm (%) 1

d. 1 to .500 mm (%) 1

e. .500 to .250 mm (%) 4

f. .250 to .125 mm (%) 22

g. .125 to .062 mm (%) 24

h. .062 to .031 mm (%)

i. .031 to .016 mm (%) 24

j. .016 to .008 mm (%) 10

k. .008 to .004 mm (%) 10

l. .004 to .002 mm (%)

m. .002 to .001 mm (%) 8

n. < .001 mm (%) 7

o. Median Diameter (mm) 0.0647p. Sorting Coefficient 2.92q. Skewness -4.99r. Standard Deviation (mm) 1.15s. Sediment Type SILTY sandt. Dominant Minerals (%)u. Secondary Minerals (%)v. Calcium Carbonate (%) 16w. Organic Carbon (%)

x. REMARKS

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE 20 Jan. 1967

062-78

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1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER
2. LATITUDE	5. DATE TAKEN (day, month, year)	8. CORE LENGTH (cm)
17° 33'.6 "	17 Nov. 1966	21
3. LONGITUDE	6. WATER DEPTH (m)	9. CORER PENETRATION (cm)
108° 16'.7 "	77.7	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6	
11. WET UNIT WEIGHT (g/cm^3)	1.930	
12. SPECIFIC GRAVITY OF SOLIDS		
13. WATER CONTENT (% dry weight)	32.95	
14. VOID RATIO		
15. SATURATED VOID RATIO		
16. POROSITY (%)	(48)	
17. LIQUID LIMIT	•	
18. PLASTIC LIMIT	•	
19. PLASTICITY INDEX	•	
20. LIQUIDITY INDEX		
21. COMPRESSION INDEX FROM LL		
22. COMPRESSIVE STRENGTH NATURAL	(g/cm^2)	
	REHOLD	(g/cm^2)
23. COHESION	NATURAL	(g/cm^2)
	REMOLD	(g/cm^2)
24. SENSITIVITY		
25. ANGLE OF INTERNAL FRICTION ($^\circ$)		
26. ACTIVITY		
27. MODULUS OF ELASTICITY		
28. SLUMP (%)		
29. REMARKS		

*Porosity calculated on an assumed 100% saturation.

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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062-78

ANALYZED BY ColemanDATE 23 January 1967MCC 09005026
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1. CRUISE NO.	4. SAMPLE NO.: K-7		7. TYPE CORER Phleger
2. LATITUDE 17° 33.0'	N	5. DATE TAKEN (DAY, MO., YR.) 17 Nov 1966	8. CORE LENGTH (cm) 21
3. LONGITUDE 108° 16.7'	E	6. WATER DEPTH (m) 77.7	9. CORE PENETRATION (cm)
10. LABORATORY NUMBER	10-210		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3		
12. COLOR (GSA ROCK COLOR CHART) <input checked="" type="checkbox"/> FIELD <input type="checkbox"/> LAB DETERMINATION	SYR4/1		
13. ODOR			
14. SIZE & COMPOSITION ANALYSIS			
a. > 4 mm (%) 1			
b. .4 to 2 mm (%) 6			
c. .2 to 1 mm (%) 3			
d. .1 to .500 mm (%) 2			
e. .500 to .250 mm (%) 2			
f. .250 to .125 mm (%) 2			
g. .125 to .062 mm (%) 7			
h. .062 to .031 mm (%) 1			
i. .031 to .016 mm (%) 51			
j. .016 to .008 mm (%) 7			
k. .008 to .004 mm (%) 9			
l. .004 to .002 mm (%) 1			
m. .002 to .001 mm (%) 8			
n. < .001 mm (%) 11			
c. Median Diameter (mm)	0.237		
p. Sorting Coefficient	2.49		
q. Skewness	.868		
r. Standard Deviation (mm)			
s. Sediment Type	GRAVELY		
t. Dominant Minerals	(%)		
u. Secondary Minerals	(%)		
v. Calcium Carbonate (%)	24		
w. Organic Carbon (%)			
15. REMARKS			

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman
 DATE 20 Jan. 1967

376062-28

1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO.	5. DATE TAKEN (Day, month, year)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)	Phleger
17° 40.4'	108° 23.3'	N E	K-8	17 Nov. 1966	100.6				
10. SAMPLE DEPTH IN CORE (cm)		6-6							
11. WET UNIT WEIGHT (g/cm ³)		1.855							
12. SPECIFIC GRAVITY OF SOLIDS									
13. WATER CONTENT (% dry weight)		32.24							
14. VOID RATIO		(51)							
15. SATURATED VOID RATIO									
16. POROSITY (%)									
17. LIQUID LIMIT									
18. PLASTIC LIMIT									
19. PLASTICITY INDEX									
20. LIQUIDITY INDEX									
21. COMPRESSION INDEX FROM LL									
22. COMPRESSIVE STRENGTH NATURAL		(g/cm ²)							
	REMOULD	(g/cm ²)							
23. COHESION NATURAL		(g/cm ²)							
	REMOULD	(g/cm ²)							
24. SENSITIVITY									
25. ANGLE OF INTERNAL FRICTION (°)									
26. ACTIVITY									
27. MODULUS OF ELASTICITY									
28. SLUMP (g)									
29. REMARKS									

Porosity calculated on an assumed 100% saturation.

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY Coleman

DATE 23 January 1967

662-28

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER Phleger
2. LATITUDE 17° 40.4'	5. DATE TAKEN (DAY, MO., YR.) 17 Nov. 1966	8. CORE LENGTH (cm) 30
3. LONGITUDE 108° 23.3'	6. WATER DEPTH (m) 100.6	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	1.211 1.212	
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3 25-30	
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB DETERMINATION	SYR4/1 5Y4/1	
13. ODOR		
14. SIZE & COMPOSITION ANALYSIS		
a. > 4 mm (%)		
b. .4 to .2 mm (%) Tr. 1		
c. .2 to 1 mm (%) 2 Tr.		
d. .1 to .500 mm (%) 3 Tr.		
e. .500 to .250 mm (%) 7 1		
f. .250 to .125 mm (%) 15 6		
g. .125 to .062 mm (%) 26 13		
h. .062 to .031 mm (%) 2 2		
i. .031 to .016 mm (%) 21 24		
j. .016 to .008 mm (%) 2 2		
k. .008 to .004 mm (%) 8 22		
l. .004 to .002 mm (%) 2 2		
m. .002 to .001 mm (%) 9 15		
n. <.001 mm (%) 8 17		
o. Median Diameter (mm) 0.0670 .0127		
p. Sorting Coefficient 2.98 5.01		
q. Skewness .482 .685		
r. Standard Deviation (mm)		
s. Sediment Type SILTY SITY sand		
t. Dominant Minerals (%)		
u. Secondary Minerals (%)		
v. Calcium Carbonate (%) 20 15		
w. Organic Carbon (%) -		
15. REMARKS		

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

062-27

ANALYZED BY Coleman

DATE 23 January 1967

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)	Phleger
2. LATITUDE 17° 36.2'	" N	"	"				
3. LONGITUDE 107° 37.2'	" E	"	"				
10. LABORATORY NUMBER	1-213 1-214						
11. SUBSAMPLE DEPTH IN CORE (cm)	0-3	40-48					
12. COLOR (GSA ROCK COLOR CHART) FIELD [] LAB DETERMINATION	5YR4/1	5Y4/1					
13. ODOR							
14. SIZE & COMPOSITION ANALYSIS							
a. > 4 mm (%)	1						
b. 4 to 2 mm (%)	2	3					
c. 2 to 1 mm (%)	3	3					
d. 1 to .500 mm (%)	3	3					
e. .500 to .250 mm (%)	7	7					
f. .250 to .125 mm (%)	15	14					
g. .125 to .062 mm (%)	26	25					
h. .062 to .031 mm (%)	2	2					
i. .031 to .016 mm (%)	20	24					
j. .016 to .008 mm (%)	11	11					
k. .008 to .004 mm (%)	11	11					
l. .004 to .002 mm (%)	9	5					
m. .002 to .001 mm (%)	9	5					
n. < .001 mm (%)	8	5					
o. Median Diameter (mm)	0.0670	0.0693					
p. Sorting Coefficient	3.24	2.84					
q. Skewness	.405	.615					
r. Standard Deviation (mm)							
s. Sediment Type	Salty sand	Salty sand					
t. Dominant Minerals (%)							
u. Secondary Minerals (%)							
v. -Calcium Carbonate (%)	20	18					
w. -Organic Carbon (%)	-	-					
x. REMARKS							

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE 23 January 1967

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE 28 Nov 1966

370

060-78

1. CRUISE NO.	4. SAMPLE NO. O G - 1	7. TYPE CORER	Phleger
2. LATITUDE 17 ° 53'	N	5. DATE TAKEN (day, month, year) 1 Oct 1966	6. CORE LENGTH (cm) 30
3. LONGITUDE 108 ° 30'	E	6. WATER DEPTH (m) 82	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-3	3-10	10-20 20-25 25-30
11. WET UNIT WEIGHT (g/cm³)		1.744	1.834
12. SPECIFIC GRAVITY OF SOLIDS			
13. WATER CONTENT (% dry weight)	45.37	41.75	39.57 36.89
14. VOID RATIO			
15. SATURATED VOID RATIO	(54)	(52)	
16. POROSITY (%)			
17. LIQUID LIMIT			
18. PLASTIC LIMIT			
19. PLASTICITY INDEX			
20. LIQUIDITY INDEX			
21. COMPRESSION INDEX FROM LL			
22. COMPRESSIVE STRENGTH NATURAL (g/cm²) REMOULD (g/cm²)			
23. COHESION NATURAL (g/cm²) REMOULD (g/cm²)	16.22	2.70	
24. SENSITIVITY	6		
25. ANGLE OF INTERNAL FRICTION (°)			
26. ACTIVITY			
27. MODULUS OF ELASTICITY			
28. SLUMP (cm)			
29. REMARKS Porosity calculated on an assumed 100% saturation.			

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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

D62-78

ANALYZED BY Coleman

DATE 28 November 1966

1. CRUISE NO.		4. SAMPLE NO.		5. DATE TAKEN (DAY, MO., YR.)		6. WATER DEPTH (m)		7. TYPE CORER		8. CORE LENGTH (cm)		9. CORER PENETRATION (cm)		
2. LATITUDE	17° 53'	"	N	"	OCT. 11	1966	"	E	"	82	"	30	"	30
3. LONGITUDE	108° 30'	"	E	"			"		"		"		"	
10. LABORATORY NUMBER	P-30	P1-31	P1-32											
11. SUBSAMPLE DEPTH IN CORE (cm)	3-10	20-25	25-30											
12. COLOR (GSA ROCK COLOR CHART) FF FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	5Y4/1	5Y4/1	5Y4/1											
13. ODOR														
14. SIZE & COMPOSITION ANALYSIS														
a.	> 4	(mm)	(%)											
b.	.4	to 2	(mm)	(%)										
c.	.2	to 1	mm	(%)	1	2	3							
d.	.1	to .500	mm	(%)	1	4	3							
e.	.500	to .250	mm	(%)	3	5	5							
f.	.250	to .125	mm	(%)	7	9	11							
g.	.125	to .062	mm	(%)	14	22	20							
h.	.062	to .031	mm	(%)	31	25	29							
i.	.031	to .016	mm	(%)	4	9	4							
j.	.016	to .008	mm	(%)										
k.	.008	to .004	mm	(%)	13	10	6							
l.	.004	to .002	mm	(%)										
m.	.002	to .001	mm	(%)	11	17	8							
n.	< .001	mm	(%)	16	10	10								
o. Median Diameter (mm)				.0718	.0915	.1088								
p. Sorting Coefficient				6.19	4.51	3.23								
q. Skewness				.091	.225	.500								
r. Standard Deviation (mm)														
s. Sediment Type				sand	sand	sand								
t. Dominant Minerals														
u. Secondary Minerals														
v. Calcium Carbonate				20	25	24								
w. Organic Carbon				(%)	(%)	(%)								
x. REMARKS														

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY ColemanDATE 28 Nov 1966

062-22

1. CRUISE NO.	4. SAMPLE NO. OG-2		7. TYPE CORER Phleger	
2. LATITUDE	17° 57'	N	5. DATE TAKEN (Day, month, year)	1 Oct 1966
3. LONGITUDE	107° 42'	E	6. WATER DEPTH (m)	76
10. SUBSAMPLE DEPTH IN CORE (cm)	0-1	1-8	8-20	20-27
11. WET UNIT WEIGHT (g/cm³)	1.486	1.501	1.550	
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	94.23	82.75	86.99	82.71
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(72)	(70)	(68)	
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)				
	REMOULD (g/cm²)			
23. COHESION NATURAL (g/cm²)	2.70	9.80	8.11	
	REMOULD (g/cm²)	.51	1.01	.51
24. SENSITIVITY	5	10	16	
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (%)				
29. REMARKS	Porosity calculated on an assumed 100% saturation.			

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PRNC-NAVOCCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY Coleman

DATE 28 November 1966

061-77

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
2. LATITUDE 17° 57'	" N	"	"			
3. LONGITUDE 107° 42'	" E	"	"			
10. LABORATORY NUMBER	P1-33 P1-34 P1-35					
11. SUBSAMPLE DEPTH IN CORE (cm)	1-7 20-27 40-47					
12. COLOR (GSA ROCK COLOR CHART) EFIELD LAB DETERMINATION	5Y4/1 5Y4/1					
13. ODOR						
14. SIZE & COMPOSITION ANALYSIS						
3. > 4 mm (%)						
b. .4 to .2 mm (%)						
c. .2 to 1 mm (%)						
d. 1 to 500 mm (%)				Trace	Trace	
e. .500 to .250 mm (%)						
f. .250 to .125 mm (%)						
g. .125 to .062 mm (%)						
h. .062 to .031 mm (%)						
i. .031 to .016 mm (%)						
j. .016 to .008 mm (%)						
k. .008 to .004 mm (%)						
l. .004 to .002 mm (%)						
m. .002 to .001 mm (%)						
n. < .001 mm (%)						
o. Median Diameter (mm)	0.047	0.057	0.030			
p. Sorting Coefficient	5.54	4.38	4.04			
q. Skewness	.887	.588	.887			
r. Standard Deviation (mm)						
s. Sediment Type	CLAYEY SILT					
t. Dominant Minerals (%)						
u. Secondary Minerals (%)						
v. Calcium Carbonate (%)	12	11	11			
w. Organic Carbon (%)						
x. REMARKS						

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

370ANALYZED BY ColemanDATE 28 Nov. 1966062-77

1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO.	5. DATE TAKEN (day, month, year)	6. WATER DEPTH (m)	7. TYPE CORE	Phleger
17° 51'	107° 34'	N E	06-3	2 Oct 1966	82	A. CORE LENGTH (cm)	48
10. SUBSAMPLE DEPTH IN CORE (cm)	0-7	7-20	20-26	26-30	30-38	38-45	45-48
11. WET UNIT WEIGHT (g/cm^3)	1.368	1.463					
12. SPECIFIC GRAVITY OF SOLIDS							
13. WATER CONTENT (% dry weight)	110.66	111.27	103.57	102.21	96.16	102.21	102.40
14. VOID RATIO							
15. SATURATED VOID RATIO							
16. POROSITY (%)	(74)	(74)					(71)
17. LIQUID LIMIT							
18. PLASTIC LIMIT							
19. PLASTICITY INDEX							
20. LIQUIDITY INDEX							
21. COMPRESSION INDEX FROM LL							
22. COMPRESSIVE STRENGTH NATURAL REHOLD	(g/cm^2) (g/cm^2)						
23. COHESION REHOLD	NATURAL (g/cm^2) REHOLD (g/cm^2)	4.73 .68	9.20 .68			8.45 .51	
24. SENSITIVITY		7	14			17	
25. ANGLE OF INTERNAL FRICTION ($^\circ$)							
26. ACTIVITY							
27. MODULUS OF ELASTICITY							
28. STUMPS (%)							
29. REMARKS	Porosity calculated on an assumed 100% saturation.						

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PRNC-NAVOCANO-31067/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY ColemanDATE 28 November 1966

062-77

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER	Phlegon
2. LATITUDE 17° 51'	" N	2 Oct. 1966	82	8. CORE LENGTH (cm)	48
3. LONGITUDE 107° 34'	" E			9. CORER PENETRATION (cm)	
10. LABORATORY NUMBER	P1-36	P1-37	P1-38 (P1-39)		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-7	10-20	20-25	40-48	
12. COLOR (GSA ROCK COLOR CHART)	5Y4/1	5Y4/1	5Y4/1	5Y4/1	
13. FIELD LAB DETERMINATION	Moderate H ₂ S				
14. ODOR	Moderate H ₂ S				
15. SIZE & COMPOSITION ANALYSIS					
a. > 4 mm (%)					
b. 4 to 2 mm (%)					
c. 2 to 1 mm (%)					
d. 1 to .500 mm (%)					
e. .500 to .250 mm (%)					
f. .250 to .125 mm (%)					
g. .125 to .062 mm (%)					
h. .062 to .031 mm (%)					
i. .031 to .016 mm (%)					
j. .016 to .008 mm (%)					
k. .008 to .004 mm (%)					
l. .004 to .002 mm (%)					
m. .002 to .001 mm (%)					
n. < .001 mm (%)					
o. Median Diameter (mm)	.0035	.0047	.0040	.0045	
p. Sorting Coefficient	4.33	4.08	4.09	4.16	
q. Skewness	.749	.756	.849	.693	
r. Standard Deviation (mm)					
s. Sediment Type	STONY CLAYEY CLIFFY CLIFFY				
t. Dominant Minerals (%)					
u. Secondary Minerals (%)					
v. Calcium Carbonate (%)					
w. Organic Carbon (%)					
x. REMARKS					

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

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ANALYZED BY Coleman
DATE 28 Nov 1966

062-77

1. CRUISE NO.	4. SAMPLE NO. OG-4	7. TYPE CORER Phleger
2. LATITUDE	17° 36' N	5. DATE TAKEN (day, month, year) 3 Oct 1966
3. LONGITUDE: 107° 41' E	6. WATER DEPTH (m) 82	8. CORE LENGTH (cm) 55
10. SUBSAMPLE DEPTH IN CORE (cm)	0-7	9. CORER PENETRATION (cm)
11. WET UNIT WEIGHT (g/cm^3)	1.319	10-20 20-27 27-30 30-40 40-46 46-53 53-55
12. SPECIFIC GRAVITY OF SOLIDS		1.444
13. WATER CONTENT (% dry weight)	132.50	128.50 118.10 113.90 107.35 (107.35)*
14. VOID RATIO		
15. SATURATED VOID RATIO		
16. POROSITY (%)	(77)	(76) (75)
17. LIQUID LIMIT		
18. PLASTIC LIMIT		
19. PLASTICITY INDEX		
20. LIQUIDITY INDEX		
21. COMPRESSION INDEX FROM LL		
22. COMPRESSIVE STRENGTH NATURAL REWOLD	(kg/cm^2)	
23. COHESION NATURAL REWOLD	(kg/cm^2)	8.45 9.13
24. SENSITIVITY	0.17 0.34 1.35	10 25** 7
25. ANGLE OF INTERNAL FRICTION (°)		
26. ACTIVITY		
27. MODULUS OF ELASTICITY		
28. SLUMP (cm)		
29. REMARKS	* Moisture spilled, believed to be similar to 30-40 cm. **Sensitivity unusually high, may be in error.	
	Porosity calculated on assumed 100% saturation.	

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* Moisture spilled, believed to be similar to 30-40 cm.
**Sensitivity unusually high, may be in error.
Porosity calculated on assumed 100% saturation.

PRINCNAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

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ANALYZED BY Coleman

DATE 28 November 1966

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06-4

7. TYPE CORER Phleger

8. CORE LENGTH (cm) 55

9. CORER PENETRATION (cm)

10. LABORATORY NUMBER P1-40 P1-41 P1-42 P1-43 P1-44

11. SUBSAMPLE DEPTH IN CORE (cm) 0-7 10-20 20-27 30-40 46-55

12. COLOR (GSA ROCK COLOR CHART) SY4/1 SY4/1 SY4/1 SY4/1

13. FIELD LAB DETERMINATION

14. SAMPLE NO.

15. DATE TAKEN (DAY, MO., YR) 13 Oct. 1966

16. WATER DEPTH (m) 82

17. SEDIMENT SIZE & COMPOSITION ANALYSIS

a. > 4 mm (%)

b. 4 to 2 mm (%)

c. 2 to 1 mm (%)

d. 1 to .500 mm (%)

e. .500 to .250 mm (%) Trace Trace Trace Trace Trace

f. .250 to .125 mm (%) 1

g. .125 to .062 mm (%) 1

h. .062 to .031 mm (%) 1

i. .031 to .016 mm (%) 23 . 26 . 17 . 20 . 18

j. .016 to .008 mm (%)

k. .008 to .004 mm (%) 26 . 25 . 29 . 30 . 27

l. .004 to .002 mm (%)

m. .002 to .001 mm (%) 22 . 21 . 25 . 22 . 22

n. < .001 mm (%) 27 . 26 . 29 . 26 . 31

o. Median Diameter (mm) .0039 .0045 .0031 .0043 .0031

p. Sorting Coefficient 4.35 4.31 3.70 3.70 3.91

q. Skewness .794 .742 .699 .599 .779

r. Standard Deviation (mm)

s. Sediment Type SILTY CLAY

t. Dominant Minerals

u. Secondary Minerals (%)

v. Calcium Carbonate (%) 14 . 14 . 12 . 14 . 13

w. Organic Carbon (%)

15. REMARKS

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE 30 Nov. 1966

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062-77

1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO.	5. DATE TAKEN (day, month, year)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
17 ° 43 ' N	107 ° 45 ' E		○ G-5	4 Oct 1966	74		54	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-1	1-5	8-11	11-20	20-27	27-30	30-40	40-43
11. WET UNIT WEIGHT (g/cm ³)		1.495			1.535			1.616
12. SPECIFIC GRAVITY OF SOLIDS		98.87	29.02	89.63	78.85	74.00	73.29	64.64
13. WATER CONTENT (% dry weight)								
14. VOID RATIO								
15. SATURATED VOID RATIO								
16. POROSITY (%)		(72)			(68)			(63)
17. LIQUID LIMIT								
18. PLASTIC LIMIT								
19. PLASTICITY INDEX								
20. LIQUIDITY INDEX								
21. COMPRESSION INDEX FROM LL								
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm ²)	(g/cm ²)						
23. COHESION NATURAL REMOULD	(g/cm ²)	(g/cm ²)	3.72		5.42		11.15	
			2.03		*		2.37	
24. SENSITIVITY		2			*		5	
25. ANGLE OF INTERNAL FRICTION (°)			*					
26. ACTIVITY								
27. MODULUS OF ELASTICITY								
28. SLUMP (cm)								
29. REMARKS								

*Remold for 20-27 cm off, maybe have air pocket.
Porosity test. Calculated on assumed 100% saturation.

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PRINCIAVOCEANO-3167/18 A (463)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY Coleman

DATE 30 November 1966

062-77

1. CRUISE NO.	4. SAMPLE NO.		5. DATE TAKEN (DAY, MO., YR.)		6. WATER DEPTH (m)		7. TYPE CORER		8. CORE LENGTH (cm)		9. CORER PENETRATION (cm)	
2. LATITUDE 17° 48'	"	"	11. SUBSAMPLE DEPTH IN CORE (cm)	P1-45	P1-46	P1-47	P1-48	P1-49				
3. LONGITUDE 107° 45'	"	"	12. COLOR (GSA ROCK COLOR CHART)	0-8	10-20	20-27	30-40	43-54				
10. LABORATORY NUMBER 1			13. FIELD LAB DETERMINATION	5Y4/1	5Y4/1	5Y4/1	5Y4/1	5Y4/1				
11. SUBSAMPLE DEPTH IN CORE (cm)	0-8	10-20	20-27	30-40	43-54							
12. COLOR (GSA ROCK COLOR CHART)	5Y4/1	5Y4/1	5Y4/1	5Y4/1	5Y4/1							
13. ODOR												
14. SIZE & COMPOSITION ANALYSIS												
a. > 4 mm (%)			b. 4 to 2 mm (%)			c. 2 to 1 mm (%)			d. 1 to .500 mm (%)			
e. .500 to .250 mm (%)			f. .250 to .125 mm (%)			g. .125 to .062 mm (%)			h. .062 to .031 mm (%)			
i. .031 to .016 mm (%)			j. .016 to .008 mm (%)			k. .008 to .004 mm (%)			l. .004 to .002 mm (%)			
m. .002 to .001 mm (%)			n. < .001 mm (%)			o. Median Diameter (mm)			p. Sorting Coefficient			
q. Skewness			r. Standard Deviation (mm)			s. Sediment Type			t. Dominant Minerals (%)			
u. Secondary Minerals (%)			v. Calcium Carbonate (%)			w. Organic Carbon (%)			x. REMARKS			
4. SAMPLE NO.	OG-5		5. DATE TAKEN (DAY, MO., YR.)	30 October 1966		6. WATER DEPTH (m)	74		7. TYPE CORER	Phleger		
8. CORE LENGTH (cm)	54		9. CORER PENETRATION (cm)									

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

370

ANALYZED BY ColemanDATE 23 Jan. 1967

062-77

		R-1		R-1			
1. CRUISE NO.		4. SAMPLE NO.		7. TYPE CORE		Phleger	
2. LATITUDE	17 ° 57.3'	N	"	5. DATE TAKEN (day, month, year)	19 Nov. 1966		
3. LONGITUDE	107 ° 58.0'	E	"	6. WATER DEPTH (m)	101.0	B. CORE LENGTH (cm)	21
10. SUBSAMPLE DEPTH IN CORE (cm)		0-6		9. CORE PENETRATION (cm)			
11. WET UNIT WEIGHT (g/cm³)		1.800					
12. SPECIFIC GRAVITY OF SOLIDS							
13. WATER CONTENT (% dry weight)		55.44					
14. VOID RATIO							
15. SATURATED VOID RATIO							
16. POROSITY (%)		(63)					
17. LIQUID LIMIT							
18. PLASTIC LIMIT							
19. PLASTICITY INDEX							
20. LIQUIDITY INDEX							
21. COMPRESSION INDEX FROM LL							
22. COMPRESSIVE STRENGTH NATURAL		(g/cm²)					
	REMOULD	(g/cm²)					
23. COHESION		(g/cm²)					
	NATURAL	(g/cm²)					
	REMOULD	(g/cm²)					
24. SENSITIVITY							
25. ANGLE OF INTERNAL FRICTION (°)							
26. ACTIVITY							
27. MODULUS OF ELASTICITY							
28. SLUMP (%)							
29. REMARKS							

Porosity calculated on an assumed 100% saturation.

PRNC-NAVOCANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY ColemanDATE 20 January 1967

062-17

1. CRUISE NO.		4. SAMPLE NO.		5. DATE TAKEN (DAY, MO., YR.)		6. WATER DEPTH (m)		7. TYPE CORE		8. CORE LENGTH (cm)		9. CORER PENETRATION (cm)	
2. LATITUDE	17° 57.3'	" N	"	19	NOV.	1966	"	R-1	Phleger	21			
3. LONGITUDE	107° 58.0'	" E	"										
4. LABORATORY NUMBER	1-191	1-192											
5. SURFACE DEPTH IN CORE (cm)	0-3	14-21											
6. COLOR (GSA ROCK COLOR CHART)	SY4/1	SY4/1											
7. FIELD LAB DETERMINATION	1	1											
8. ODOR													
14. SIZE & COMPOSITION ANALYSIS													
a.	> 4	(mm) (%)											
b.	.4	to 2	(mm) (%)	Tr.	Tr.								
c.	.2	to 1	mm. (%)	2	1								
d.	.1	to .500	mm (%)	3	1								
e.	.500	to .250	mm (%)	4	4								
f.	.250	to .125	mm (%)	26	16								
g.	.125	to .062	mm (%)	16	13								
h.	.062	to .031	mm (%)										
i.	.031	to .016	mm (%)	21	29								
j.	.016	to .008	mm (%)										
k.	.008	to .004	mm (%)	9	18								
l.	.004	to .002	mm (%)										
m.	.002	to .001	mm (%)	9	7								
n.	< .001	mm (%)	12	12									
o. Median Diameter (mm)			0.0625	0.0263									
p. Sorting Coefficient			4.16	4.06									
q. Skewness			313	972									
r. Standard Deviation (mm)													
s. Sediment Type			SILTY	SILTY									
t. Dominant Minerals (%)			Sand	Sand									
u. Secondary Minerals (%)													
v. Calcium Carbonate (%)			16	16									
w. Organic Carbon (%)													
x. REMARKS													

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PRNC-NAVOCEANO-3167/18 B (4-63)

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

370

ANALYZED BY Coleman
 DATE 23 Jan. 1967

062-78

1. CRUISE NO.	4. SAMPLE NO.	R-2	7. TYPE CORER	Phleger
2. LATITUDE	17° 49.5'	N	5. DATE TAKEN (Day, month, year)	19 Nov. 1966
3. LONGITUDE	108° 05.0'	E	6. WATER DEPTH (m)	91.4
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6		8. CORE LENGTH (cm)	21
11. WET UNIT WEIGHT (g/cm³)	1.780		9. CORER PENETRATION (cm)	
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	39.02			
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(50)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH: NATURAL	(kg/cm^2)			
	REMOULD	(kg/cm^2)		
23. COHESION	NATURAL REMOULD	(kg/cm^2) (kg/cm^2)		
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION ($^\circ$)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLOUCH (%)				
29. REMARKS	Porosity calculated on an assumed 100% saturation.			

PRNC-NAVOCANO-3167/18 A (463)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY ColemanDATE 20 January 1967

00-1-78

1. PROBING NO.		4. SAMPLE NO.	R-2
2. LATITUDE	17° 49.5'	5. DATE TAKEN (DAY, MO., YR.)	19 Nov 1967
3. LONGITUDE	108° 05.0'	6. WATER DEPTH (m)	21
10. LABORATORY NUMBER	1-193	7. TYPE CORER	Phleger
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	8. CORE LENGTH (cm)	21
12. COLOR (GSA ROCK COLOR CHART)	SYR4/1	9. CORER PENETRATION (cm)	
13. FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	T		
13. ODOR			
IV. SIZE & COMPOSITION ANALYSIS			
a.	7	4. (mm) (g)	
b.	4	to 2 (mm) (%)	
c.	2	to 1 mm (%)	
d.	1	to .500 mm (%)	1
e.	.500	to .250 mm (%)	4
f.	.250	to .125 mm (%)	24
g.	.125	to .062 mm (%)	17
h.	.062	to .031 mm (%)	
i.	.031	to .016 mm (%)	27
j.	.016	to .008 mm (%)	
k.	.008	to .004 mm (%)	7
l.	.004	to .002 mm (%)	
m.	.002	to .001 mm (%)	8
n.	<.001	mm (%)	11
o.	Median Diameter (mm)		.0490
p.	Sorting Coefficient		3.51
q.	Skewness		.614
r.	Standard Deviation (mm)		
s.	Sediment Type		Silt Sand
t.	Dominant Minerals (%)		
u.	Secondary Minerals (%)		
v.	Calcium Carbonate (%)		15
w.	Organic Carbon (%)		
x.	REMARKS		

MCC 960 5026

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE 23 Jan. 1967270662-28

1. CRUISE NO.	4. SAMPLE NO.	R-3-1	7. TYPE CORER	Phleger
2. LATITUDE	17° 47.5'	N	5. DATE TAKEN (Day, month, Year)	19 Nov. 1966
3. LONGITUDE	108° 10.0'	E	6. WATER DEPTH (m)	86.9
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6			
11. WET UNIT WEIGHT (g/cm³)	1.750			
12. SPECIFIC GRAVITY OF SOLIDS				
13. WATER CONTENT (% dry weight)	50.83			
14. VOID RATIO				
15. SATURATED VOID RATIO				
16. POROSITY (%)	(59)			
17. LIQUID LIMIT				
18. PLASTIC LIMIT				
19. PLASTICITY INDEX				
20. LIQUIDITY INDEX				
21. COMPRESSION INDEX FROM LL				
22. COMPRESSIVE STRENGTH NATURAL	(g/cm²)			
	REMOULD	(g/cm²)		
23. COHESION	NATURAL	(g/cm²)		
	REMOULD	(g/cm²)		
24. SENSITIVITY				
25. ANGLE OF INTERNAL FRICTION (°)				
26. ACTIVITY				
27. MODULUS OF ELASTICITY				
28. SLUMP (%)				
29. REMARKS				

Porosity calculated on an assumed 100% saturation.

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

062-78

ANALYZED BY ColemanDATE 20 January 1967

1. CRUISE NO.		4. SAMPLE NO.		5. DATE TAKEN (DAY, MO., YR.)		6. WATER DEPTH (m)		7. TYPE CORER Phleger		8. CORE LENGTH (cm) 25		9. CORER PENETRATION (cm)	
2. LATITUDE	17° 45.5'	"	N	19 Nov.	1966	86.9							
3. LONGITUDE	108° 10.0'	"	E										
10. LABORATORY NUMBER	1-194												
11. SUBSAMPLE DEPTH IN CORE (cm)	0.5												
12. COLOR (GSA ROCK COLOR CHART)	5YR4/1												
13. FIELD LAB DETERMINATION	T												
14. SIZE & COMPOSITION ANALYSIS													
a. > 4 mm (g)													
b. 4 to 2 mm (g)													
c. 2 to 1 mm (g)													
d. 1 to .500 mm (g)													
e. .500 to .250 mm (g)													
f. .250 to .125 mm (g)													
g. .125 to .062 mm (g)													
h. .062 to .031 mm (g)													
i. .031 to .016 mm (g)													
j. .016 to .008 mm (g)													
k. .008 to .004 mm (g)													
l. .004 to .002 mm (g)													
m. .002 to .001 mm (g)													
n. < .001 mm (%)													
o. Median Diameter (mm)	0.0418												
p. Sorting Coefficient	4.72												
q. Skewness	401												
r. P. Standard Deviation (mm)													
s. Sediment Type	SILTY SAND												
t. Dominant Minerals	(%)												
u. Secondary Minerals	(%)												
v. Calcium Carbonate	(%)												
w. Organic Carbon	(%)												
x. REMARKS													

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman,
DATE 23 Jan. 1966

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1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger
2. LATITUDE 17 ° 45.5'	N	5. DATE TAKEN (Day, month, year)	19 Nov. 1966
3. LONGITUDE 108 ° 10.0'	E	6. WATER DEPTH (m)	86.9
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6	8. CORE LENGTH (cm)	16
11. WET UNIT WEIGHT (g/cm³)	2.036	9. CORER PENETRATION (cm)	
12. SPECIFIC GRAVITY OF SOLIDS			
13. WATER CONTENT (% dry weight)	27.44		
14. VOID RATIO			
15. SATURATED VOID RATIO			
16. POROSITY (%)	(44)		
17. LIQUID LIMIT			
18. PLASTIC LIMIT			
19. PLASTICITY INDEX			
20. LIQUIDITY INDEX			
21. COMPRESSION INDEX FROM LL			
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)			
REMOULD (g/cm²)			
23. COHESION NATURAL (g/cm²)			
REMOULD (g/cm²)			
24. SENSITIVITY			
25. ANGLE OF INTERNAL FRICTION (°)			
26. ACTIVITY			
27. MODULUS OF ELASTICITY			
28. SLUMP (%)			
29. REMARKS	Porosity calculated on an assumed 100% saturation. Core desiccated.		

MCG 09005026
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PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

-370

ANALYZED BY ColemanDATE 20 January 1967062-78

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	Phleger	
2. LATITUDE	17°45.5'	" N	5. DATE TAKEN (DAY, MO., YR.)	19 Nov. 1966
3. LONGITUDE	108°10.0'	" E	6. WATER DEPTH (m)	86-9
10. LABORATORY NUMBER	1-195	8. CORE LENGTH (cm)	16	
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5	9. CORER PENETRATION (cm)		
12. COLOR (GSA ROCK COLOR CHART)	SY4/1			
--- FIELD LAB DETERMINATION				
13. GOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (g)	2			
b. 4 to 2 mm (%)	3			
c. 2 to 1 mm (%)	6			
d. 1 to .500 mm (%)	14			
e. .500 to .250 mm (%)	30			
f. .250 to .125 mm (%)	17			
g. .125 to .062 mm (%)	4			
h. .062 to .031 mm (%)				
i. .031 to .016 mm (%)	9			
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)	4			
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)	5			
n. < .001 mm (%)	6			
o. Median Diameter (mm)	0.2679			
p. Sorting Coefficient	2.50			
q. Skewness	555			
r. Standard Deviation (mm)				
s. Sediment Type	sand			
t. Dominant Minerals				
u. Secondary Minerals (%)				
v. % Calcium Carbonate (%)	16			
w. % Organic Carbon (%)				
15. REMARKS				

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MGR 9605026

MGG 9405026

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CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

PRNC-NAVOCEANO-3167/18 B (4-63)

370

ANALYZED BY Coleman

DATE 20 Jan. 1966

062-28

1. CRUISE NO.	4. SAMPLE NO.		R-4		7. TYPE CORER Phleger	
2. LATITUDE 17 ° 55.1'	5. DATE TAKEN (Day, month, year)		19 Nov. 1966		8. CORE LENGTH (cm)	
3. LONGITUDE 108 ° 10.5'	6. WATER DEPTH (m)		85.3		9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6					
11. WET UNIT WEIGHT (g/cm ³)	1.833					
12. SPECIFIC GRAVITY OF SOLIDS						
13. WATER CONTENT (%) dry weight	44.02					
14. VOID RATIO						
15. SATURATED VOID RATIO						
16. POROSITY (%)	(56)					
17. LIQUID LIMIT						
18. PLASTIC LIMIT						
19. PLASTICITY INDEX						
20. LIQUIDITY INDEX						
21. COMPRESSION INDEX FROM LL						
22. COMPRESSIVE STRENGTH NATURAL (g/cm ²)						
	REMOULD (g/cm ²)					
23. COHESION NATURAL (g/cm ²)						
	REMOULD (g/cm ²)					
24. SENSITIVITY						
25. ANGLE OF INTERNAL FRICTION (°)						
26. ACTIVITY						
27. MODULUS OF ELASTICITY						
28. SLUMP (%)						
29. REMARKS						

PRINC-NAVOCEANO-3167/18A (463)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY Coleman

DATE 20 January 1967

060-78

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER	R-4	Phlegan
2. LATITUDE	17° 55.1' N	5. DATE TAKEN (DAY, MO., YR.)	19 Nov.	1966
3. LONGITUDE	108° 10.5' E	6. WATER DEPTH (m)	85.3	8. CORE LENGTH (cm)
10. LABORATORY NUMBER	1-196	9. CORE PENETRATION (cm)		
11. SUBSAMPLE DEPTH IN CORE (cm)	0-5			
12. COLOR (GSA ROCK COLOR CHART)	SYR4/1			
- <input checked="" type="checkbox"/> FIELD <input type="checkbox"/> LAB DETERMINATION	E			
13. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a.	> .4 (mm) (%)			
b.	.4 to .2 (mm) (%)	5		
c.	.2 to 1 (mm) (%)	3		
d.	.1 to .500 (mm) (%)	3		
e.	.500 to .250 (mm) (%)	6		
f.	.250 to .125 (mm) (%)	27		
g.	.125 to .062 (mm) (%)	17		
h.	.062 to .031 (mm) (%)			
i.	.031 to .016 (mm) (%)	14		
j.	.016 to .008 (mm) (%)			
k.	.008 to .004 (mm) (%)	8		
l.	.004 to .002 (mm) (%)			
m.	.002 to .001 (mm) (%)	9		
n.	< .001 (mm) (%)	7		
o.	Median Diameter (mm)	0.0981		
p.	Sorting Coefficient	3.40		
q.	Skewness	33.6		
r.	Standard Deviation (mm)			
s.	Sediment Type	silty sand		
t.	Dominant Minerals	(%)		
u.	Secondary Minerals	(%)		
v.	Calcium Carbonate	(%)	19	
w.	Organic Carbon	(%)		
x.	REMARKS			

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026

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE 20 Jan. 1966062-88370

1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO.	5. DATE TAKEN (Day, month, year)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
18 ° 10.5'	108 ° 08.2'	N " E "	71.6	19 Nov. 1966	26			
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6							
11. WET UNIT WEIGHT (g/cm³)	1.771							
12. SPECIFIC GRAVITY OF SOLIDS								
13. WATER CONTENT (% dry weight)	48.50							
14. VOID RATIO								
15. SATURATED VOID RATIO								
16. POROSITY (%)	(58)							
17. LIQUID LIMIT								
18. PLASTIC LIMIT								
19. PLASTICITY INDEX								
20. LIQUIDITY INDEX								
21. COMPRESSION INDEX FROM LL								
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm²)	(g/cm²)						
23. COHESION NATURAL REMOULD	(g/cm²)	(g/cm²)						
24. SENSITIVITY								
25. ANGLE OF INTERNAL FRICTION (°)								
26. ACTIVITY								
27. MODULUS OF ELASTICITY								
28. SLUMP (%)								
29. REMARKS								

Porosity calculated on an assumed 100% saturation.

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MGG 09005026

PRINCIPIO OCEANO-3167/18 A (74-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY COLEMAN

DATE 20 January 1967

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CORE SAMPLE NO.	1. LATITUDE	2. LONGITUDE	3. N	4. SAMPLE NO.	R-5		8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
					5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)		
1. LABORATORY NUMBER	108° 08'.2"	108° 08'.2"	" E		19 November 1966	71.6	26	
II. SUBSAMPLE Depth IN CORE (cm)	0-3							
12. COLOR (GSA ROCK COLOR CHART) FIELD LAB. DETERMINATION	SYR4/1							
13. ODOR								
14. SIZE & COMPOSITION ANALYSIS								
a.	> 4	(mm) (%)						
b.	.4 to .2	(mm) (%)						
c.	.2 to .1	(mm) (%)	1					
d.	.1 to .050	(mm) (%)	2					
e.	.050 to .250	(mm) (%)	15					
f.	.250 to .125	(mm) (%)	30					
g.	.125 to .062	(mm) (%)	6					
h.	.062 to .031	(mm) (%)						
i.	.031 to .016	(mm) (%)	17					
j.	.016 to .008	(mm) (%)						
k.	.008 to .004	(mm) (%)	12					
l.	.004 to .002	(mm) (%)						
m.	.002 to .001	(mm) (%)	8					
n.	< .001	(mm) (%)						
o. Median Diameter (mm)	0.1250							
p. Sorting Coefficient	4.14							
q. Skewness	1.65							
r. Standard Deviation (mm)								
s. Sediment Type	SILTY							
t. Dominant Minerals (%)								
u. Secondary Minerals (%)								
v. Calcium Carbonate (%)	14							
w. Organic Carbon (%)								
15. REMARKS								

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MCGO 5605026

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

370

ANALYZED BY Coleman
 DATE 20 Jan 1967

062-87

1. CRUISE NO.	4. SAMPLE NO.	R-6	7. TYPE CORER • Phleger
2. LATITUDE 18 ° 04.5'	5. DATE TAKEN (Day, month, year)	20 Nov 1966	8. CORE LENGTH (cm) 41
3. LONGITUDE 107 ° 42.5'	6. WATER DEPTH (m)	74.7	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6		
11. WET UNIT WEIGHT (g/cm³)	1.565		
12. SPECIFIC GRAVITY OF SOLIDS			
13. WATER CONTENT (% dry weight)	78.67		
14. VOID RATIO			
15. SATURATED VOID RATIO			
16. POROSITY (%)	(69)		
17. LIQUID LIMIT			
18. PLASTIC LIMIT			
19. PLASTICITY INDEX			
20. LIQUIDITY INDEX			
21. COMPRESSION INDEX FROM LL			
22. COMPRESSIVE STRENGTH NATURAL	(g/cm²)		
REMOULD	(g/cm²)		
23. COHESION	NATURAL (g/cm²)		
REMOULD	(g/cm²)		
24. SENSITIVITY			
25. ANGLE OF INTERNAL FRICTION (°)			
26. ACTIVITY			
27. MODULUS OF ELASTICITY			
28. SLUMP (%)			
29. REMARKS Porosity calculated on an assumed 100% saturation.			

PRINC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

370

ANALYZED BY Coleman
DATE 20 January 1967

062-87

E. CRUISE NO.	F. SAMPLE NO.	G. DATE TAKEN (DAY, MO., YR.)	H. CORE LENGTH (cm)	I. TYPE CORER Phleger
2. LATITUDE	18° 04'.5"	" N	1966	41
3. LONGITUDE	107° 42'.5"	" E	20 Nov.	
4. LABORATORY NUMBER	1-198	1-199		
5. SUBSAMPLE DEPTH IN CORE (cm)	0-3	35-41		
6. WATER DEPTH (m)	74.7			
7. COLOR (GSA ROCK COLOR CHART) <input checked="" type="checkbox"/> FIELD <input type="checkbox"/> LAB DETERMINATION	5Y4/1	5Y4/1		
8. ODOR				
14. SIZE & COMPOSITION ANALYSIS				
a. > 4 mm (mm) (%)				
b. 4 to 2 mm (%)				
c. 2 to 1 mm (%)				
d. 1 to .500 mm (%)				
e. .500 to .250 mm (%)				
f. .250 to .125 mm (%)				
g. .125 to .062 mm (%)				
h. .062 to .01 mm (%)				
i. .031 to .016 mm (%)				
j. .016 to .008 mm (%)				
k. .008 to .004 mm (%)				
l. .004 to .002 mm (%)				
m. .002 to .001 mm (%)				
n. < .001 mm (%)				
o. Median Diameter (mm)	0.0068	.0221		
p. Sorting Coefficient	4.02	3.24		
q. Skewness	5.88	.384		
r. Standard Deviation (mm)	19	16		
s. Sediment Type	Clayey Silt	Silt		
t. Dominant Minerals (%)				
u. Secondary Minerals (%)				
v. Calcium Carbonate (%)	15	13		
w. Organic Carbon (%)				
x. REMARKS				

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MCG 09005026

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY Coleman

DATE 20 Jan. 1967

326 061-27

1. CRUISE NO.	4. SAMPLE NO.	R-7	7. TYPE CORER
2. LATITUDE	17° 47.5'	N	8. CORE LENGTH (cm)
3. LONGITUDE	107° 59.0'	E	9. CORER PENETRATION (cm)
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6		
11. WET UNIT WEIGHT (g/cm³)	1.749		
12. SPECIFIC GRAVITY OF SOLIDS			
13. WATER CONTENT (% dry weight)	51.24		
14. VOID RATIO			
15. SATURATED VOID RATIO			
16. POROSITY (%)	(59)		
17. LIQUID LIMIT			
18. PLASTIC LIMIT			
19. PLASTICITY INDEX			
20. LIQUIDITY INDEX			
21. COMPRESSION INDEX FROM LL			
22. COMPRESSIVE STRENGTH NATURAL (g/cm²)			
	REMOULD (g/cm²)		
23. COHESION NATURAL (g/cm²)			
	REMOULD (g/cm²)		
24. SENSITIVITY			
25. ANGLE OF INTERNAL FRICTION (°)			
26. ACTIVITY			
27. MODULUS OF ELASTICITY			
28. SLUMP (%)			
29. REMARKS			

MGG 9 8 5 8 2 6
164

Porosity calculated on an assumed 100% saturation.

PRNC-NAVOCEANO-3167/18 A (4463)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

320

ANALYZED BY Coleman

DATE 20 January 1967

062-77

1. CRUISE NO.	2. LATITUDE	3. LONGITUDE	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORED Phleger	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
10. LABORATORY NUMBER	11. SUBSAMPLE DEPTH IN CORE (cm)	12. COLOR (GSA ROCK COLOR CHART) FIELD <input checked="" type="checkbox"/> LAB DETERMINATION	1-200	1-201	"	"	"	"
13. ODOR								
III. SIZE & COMPOSITION ANALYSIS								
a. > 4 mm (%)	b. .4 to .2 mm (%)	c. .2 to .1 mm (%)	d. .1 to .500 mm (%)	e. .500 to .250 mm (%)	f. .250 to .125 mm (%)	g. .125 to .062 mm (%)	h. .062 to .031 mm (%)	i. .031 to .016 mm (%)
j. .016 to .008 mm (%)	k. .008 to .004 mm (%)	l. .004 to .002 mm (%)	m. .002 to .001 mm (%)	n. < .001 mm (%)	o. Median Diameter (mm)	p. Sorting Coefficient	q. Skewness	r. Standard Deviation (mm)
s. Sediment Type	t. Dominant Minerals (%)	u. Secondary Minerals (%)	v. Calcium Carbonate (%)	w. Organic Carbon (%)	REMARKS			

165
MGG 9003826

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

ANALYZED BY ColemanDATE 20 Jan. 1967062-88

1. CRUISE NO.	4. SAMPLE NO.	R-8-1	Phleger	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
2. LATITUDE 18 ° 00.3 ,	N	5. DATE TAKEN (day, month, year)	20 Nov. 1966			
3. LONGITUDE 108 ° 44.6 ,	E	6. WATER DEPTH (m)	44.2			
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6					
11. WET UNIT WEIGHT (g/cm^3)	1.972					
12. SPECIFIC GRAVITY OF SOLIDS						
13. WATER CONTENT (% dry weight)	27.50					
14. VOID RATIO						
15. SATURATED VOID RATIO						
16. POROSITY (%)	(43)					
17. LIQUID LIMIT						
18. PLASTIC LIMIT						
19. PLASTICITY INDEX						
20. LIQUIDITY INDEX						
21. COMPRESSION INDEX FROM LL						
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm^2)					
23. COHESION NATURAL REMOULD	(g/cm^2)					
24. SENSITIVITY						
25. ANGLE OF INTERNAL FRICTION (ϕ)						
26. ACTIVITY						
27. MODULUS OF ELASTICITY						
28. SLUMP (%)						
29. REMARKS						

Porosity calculated on an assumed 100% saturation. Core partly dessicated.

MCG 09083026

PRNC-NAVOCEANO-3167/18 A (463)

370
CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

ANALYZED BY Coleman

DATE 20 January 1967

1. CRUISE NO.

2. LATITUDE 18° 00.3'

3. LONGITUDE 108° 44.6'

4. SAMPLE NO. R8-1

5. DATE TAKEN (DAY, MO., YR.) 20 Nov. 1966

6. WATER DEPTH (m) 44.2

7. TYPE CORE PHLEGER

8. CORE LENGTH (cm) 24

9. CORE PENETRATION (cm)

10. LABORATORY NUMBER 1-202

11. SUBSAMPLE DEPTH IN CORE (cm) 0-3

12. COLOR (GSA ROCK COLOR CHART) 6YR4/1

13. OLF FIELD LAB DETERMINATION

14. ODOOR

14. SIZE & COMPOSITION ANALYSIS

a. > 4 mm (%) 1

b. 4 to 2 mm (%) 3

c. 2 to 1 mm (%) 11

d. 1 to .500 mm (%) 29

e. .500 to .250 mm (%) 22

f. .250 to .125 mm (%) 7

g. .125 to .062 mm (%) 2

h. .062 to .031 mm (%) 10

i. .031 to .016 mm (%) 10

j. .016 to .008 mm (%) 6

k. .008 to .004 mm (%) 6

l. .004 to .002 mm (%) 5

m. .002 to .001 mm (%) 5

n. < .001 mm (%) 4

o. Median Diameter (mm) 0.2059

p. Sorting Coefficient 2.68

q. Skewness 4.51

r. Standard Deviation (mm)

s. Sediment Type Sand

t. Dominant Minerals (%)

u. Secondary Minerals (%)

v. Calcium Carbonate (%) 19

w. Organic Carbon (%)

x. REMARKS

MC

MGG 09005026

5026

CORE ANALYSIS SUMMARY SHEET
ENGINEERING PROPERTIES

Colman

ANALYZED BY

DATE 20 Jan. 1967

370

1. CRUISE NO.	4. SAMPLE NO.	7. TYPE CORER				
2. LATITUDE	18 ° 00.3'	N	5. DATE TAKEN (day, month, year)	20 Nov. 1966	8. CORE LENGTH (cm)	50
3. LONGITUDE	108 ° 44.6'	E	6. WATER DEPTH (m)	44.2	9. CORER PENETRATION (cm)	
10. SUBSAMPLE DEPTH IN CORE (cm)	0-6					
11. WET UNIT WEIGHT (g/cm³)	2.019					
12. SPECIFIC GRAVITY OF SOLIDS						
13. WATER CONTENT (% dry weight)	27.50					
14. VOID RATIO						
15. SATURATED VOID RATIO						
16. POROSITY (%)	(43)					
17. LIQUID LIMIT						
18. PLASTIC LIMIT						
19. PLASTICITY INDEX						
20. LIQUIDITY INDEX						
21. COMPRESSION INDEX FROM LL						
22. COMPRESSIVE STRENGTH NATURAL REMOULD	(g/cm²) (g/cm²)					
23. COHESION NATURAL REMOULD	(g/cm²) (g/cm²)					
24. SENSITIVITY						
25. ANGLE OF INTERNAL FRICTION (°)						
26. ACTIVITY						
27. MODULUS OF ELASTICITY						
28. SLUMP (cm)						
29. REMARKS						

168

MGG 0 0 0 0 2 6
MGG 0 9 0 0 5 0 2 6

Porosity calculated on an assumed 100% saturation. Core partly dessicated.

PRNC-NAVOCEANO-3167/18 A (4-63)

CORE ANALYSIS SUMMARY SHEET
SEDIMENT SIZE AND COMPOSITION

5-20

ANALYZED BY: Coleman

DATE 23 January 1967

062-88

1. CRUISE NO.	4. SAMPLE NO.	5. DATE TAKEN (DAY, MO., YR.)	6. WATER DEPTH (m)	7. TYPE CORER	8. CORE LENGTH (cm)	9. CORER PENETRATION (cm)
2. LATITUDE 18° 00'.3" N	R-0-3	1966	44.2			
3. LONGITUDE 108° 44'.6" E	"	"	"			
4. LABORATORY NUMBER	1-203	1-204				
5. SUBSAMPLE DEPTH IN CORE (cm)	0-3	40-50				
6. COLOR (GSA ROCK COLOR CHART)	5YR4/1	5Y4/1				
7. FIELD LAB DETERMINATION						
8. ODOR						
4. SIZE & COMPOSITION ANALYSIS						
a.	4	(mm) (%)	1			
b. 4 to 2	(mm) (%)	4	3			
c. 2	to 1	(mm) (%)	6	6		
d. 1	to .500	mm (%)	11	12		
e. .500	to .250	mm (%)	23	28		
f. .250	to .125	mm (%)	21	22		
g. .125	to .062	mm (%)	6	5		
h. .062	to .031	mm (%)				
i. .031	to .016	mm (%)	8	12		
j. .016	to .008	mm (%)				
k. .008	to .004	mm (%)	7	7		
l. .004	to .002	mm (%)				
m. .002	to .001	mm (%)	10	3		
n. < .001	mm (%)					
o. Median Diameter (mm)	0.1934	• 2415				
p. Sorting Coefficient	3.72	2.64				
q. Skewness	.317	• 465				
r. Standard Deviation (mm)						
s. Sediment Type	Silty	Silty				
t. Dominant Minerals (%)		Sandy				
u. Secondary Minerals (%)		Sandy				
v. Calcium Carbonate (%)	18	16				
w. Organic Carbon (%)						
x. REMARKS						

169
MGG 0 9 0 0 5 0 2 6

MGG 0 9 0 0 5 0 2 6